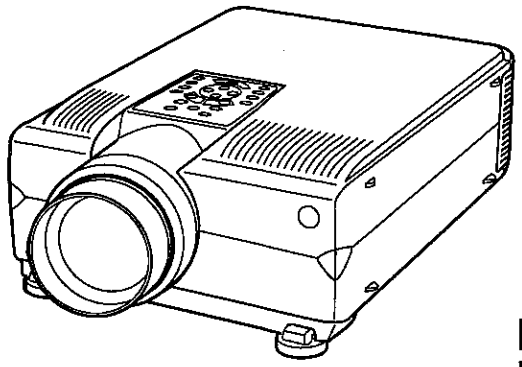
SHARP SERVICE MANUAL
SERVICE-ANLEITUNG
维修手册

S99O8XG-NV6XE



LCD PROJECTOR
LCD PROJEKTOR
液晶投影机

MODEL
MODELL
型号

XG-NV6XE

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

Im Interesse der Benutzersicherheit (erforderliche Sicherheitsregeln in einigen Ländern) muß das Gerät in seinen Originalzustand gebracht werden. Außerdem dürfen für die spezifizierten Bauteile nur identische Teile verwendet werden.

为了用户安全起见（根据一些国家的安全规程的需要），应将液晶投影机保持于最初的状态，而且只能使用与指定物相同的部件。

SHARP CORPORATION

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Specifications

Product type	LCD Projector
Model	XG-NV6XE
Video system	PAL/SECAM/NTSC 3.58/NTSC 4.43/DTV 480P/DTV 720P/DTV 1080I
Display method	LCD panel × 3, RGB optical shutter method
LCD panel	Panel size: 33 mm (1.3") (20.0 [H] × 26.6 [W] mm) Display method: Translucent TN liquid crystal panel Drive method: TFT (Thin Film Transistor) Active Matrix panel No. of dots: 786,432 dots (1,024 [H] × 768 [V])
Lens	1–1.3× zoom lens, F1.7–2.3, f = 49.1–63.8 mm
Projection lamp	150 W UHP lamp
Contrast ratio	250:1
Video input signal	RCA Connector: VIDEO, composite video, 1.0 Vp-p, sync negative, 75 Ω terminated RCA Connector: AUDIO, 0.5 Vrms more than 22 kΩ (stereo)
S-video input signal	4-pin mini DIN connector Y (luminance signal): 1.0 Vp-p, sync negative, 75 Ω terminated C (chrominance signal): Burst 0.286 Vp-p, 75 Ω terminated
Component input signal	BNC Connector (INPUT 1) Y: 1.0 Vp-p, sync negative, 75 Ω terminated PB: 0.7 Vp-p, 75 Ω terminated PR: 0.7 Vp-p, 75 Ω terminated
Horizontal resolution	520 TV lines (video input), 750 TV lines (DTV 720P input, Dot by Dot)
Audio output	2 W + 2 W (stereo)
Computer RGB input signal	15-PIN MINI D-SUB CONNECTOR (INPUT 1, 2), 5 BNC CONNECTOR (INPUT 1): RGB separate/composite sync/sync on green type analog input: 0–0.7 Vp-p, positive, 75 Ω terminated STEREO MINIJACK: AUDIO, 0.5 Vrms, more than 22 kΩ (stereo) HORIZONTAL SYNC. SIGNAL: TTL level (positive/negative) or composite sync (Apple only) VERTICAL SYNC. SIGNAL: Same as above
Pixel clock	12–230 MHz
Vertical frequency	43–200 Hz
Horizontal frequency	15–126 kHz
Computer control signal	9-pin mini-DIN male connector (RS-232C Input Port)
Speaker system	1 3⅛2" (5 cm) round × 2
Rated voltage	AC 110–120/220–240 V
Input current	2.4 A/1.2 A
Rated frequency	50/60 Hz
Power consumption	265 W
Operating temperature	+5°C to +40°C
Storage temperature	−20°C to +60°C
Cabinet	Plastic
I/R carrier frequency	38 kHz
Laser pointer of remote control	Wave length: 650 nm / Max. output: 1 mW / Class II Laser Product
Dimensions (approx.)	261 × 129 × 356 mm (W × H × D) (main body only) 261 ×146 × 411.5 mm (W × H × D) (including adjustment feet and projecting parts)
Weight (approx.)	7.2 kg
Supplied accessories	Remote control, Two AA size batteries, Power cord (1.8 m), Computer cable (3 m), Three BNC-RCA adaptors, Computer audio cable (3 m), Mouse control serial cable (1 m), Mouse control cable for IBM PS/2 (1 m), Mouse control cable for Mac (17 cm), DIN-D-sub RS-232C cable (15 cm), Remote mouse receiver, Extra air filter, Lens cap (attached), CD-ROM, LCD projector operation manual, LCD projector quick reference, Sharp Advanced Presentation Software operation manual, Sharp Advanced Presentation Software quick reference, IrDA driver installation instruction sheet
Replacement parts	Standard lens unit (CLNS-0169CE02), Remote control (RRMCG1535CESA), AA size batteries, Power cord, Computer cable (QCNW-5304CEZZ), BNC-RCA adaptors (QPLGJ0107GEZZ), Computer audio cable (QCNW-4870CEZZ), Mouse control serial cable (QCNW-5112CEZZ), Mouse control cable for IBM PS/2 (QCNW-5113CEZZ), Mouse control cable for Mac (QCNW-5114CEZZ), DIN-D-sub RS-232C cable (QCNW-5288CEZZ), Remote mouse receiver (RUNTK0661CEZZ), Air filter (PFILD0080CEZZ), Lens cap (PCAPH1056CESA), CD-ROM, LCD projector operation manual, LCD projector quick reference, Sharp Advanced Presentation Software operation manual, Sharp Advanced Presentation Software quick reference, IrDA driver installation instruction sheet

This SHARP projector uses LCD (Liquid Crystal Display) panels. These very sophisticated panels contain 786,432 pixels (× RGB) TFTs (Thin Film Transistors). As with any high technology electronic equipment such as large screen TVs, video systems and video cameras, there are certain acceptable tolerances that the equipment must conform to.

This unit has some inactive TFTs within acceptable tolerances which may result in illuminated or inactive dots on the picture screen. This will not affect the picture quality or the life expectancy of the unit.

Specifications are subject to change without notice.

NOTE TO SERVICE PERSONNEL

UV-RADIATION PRECAUTION

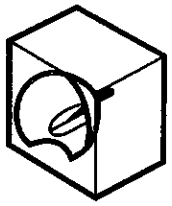
The light source, metal halide lamp, in the LCD projector emits small amounts of UV-Radiation.

AVOID DIRECT EYE AND SKIN EXPOSURE.

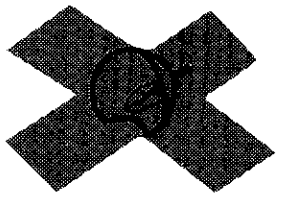
To ensure safety please adhere to the following:

1. Be sure to wear sun-glasses when servicing the projector with the lamp turned "on" and the top enclosure removed.

2. Do not operate the lamp outside of the lamp housing.



3. Do not operate for more than 2 hours with the enclosure removed.



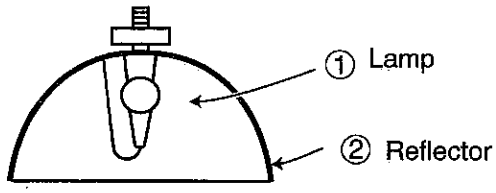
UV-Radiation and Medium Pressure Lamp Precautions

1. Be sure to disconnect the AC plug when replacing the lamp.
2. Allow one hour for the unit to cool down before servicing.
3. Replace only with same type lamp. Type CLMPF0056DE02 or BQC-XGNV6XE/1 rated 65V/150W.
4. The lamp emits small amounts of UV-Radiation, avoid direct-eye contact.
5. The medium pressure lamp involves a risk of explosion. Be sure to follow installation instructions described below and handle the lamp with care.

■ Lamp Replacement

Note:

Since the lamp reaches a very high temperature during units operation replacement of the lamp should be done at least one hour after the power has been turned off. (to allow the lamp to cool off.)
Installing the new lamp, make sure not to touch the lamp (bulb) replace the lamp by holding its reflector ②.
[Use original replacement only.]



DANGER ! — Never turn the power on without the lamp to avoid electric-shock or damage of the devices since the stabilizer generates high voltages at its start.

Since small amounts of UV-Radiation are emitted from an opening between the duct cover and the lamp housing, it is recommended to place the LENS CAP on the opening during servicing to avoid eye and skin exposurem (Fig. 1).

Note: Please obtain a lens cap before servicing a model XG-NV6XE that is received without one.

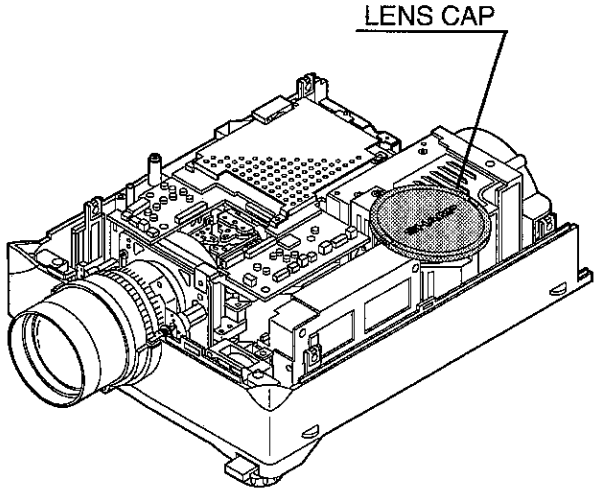
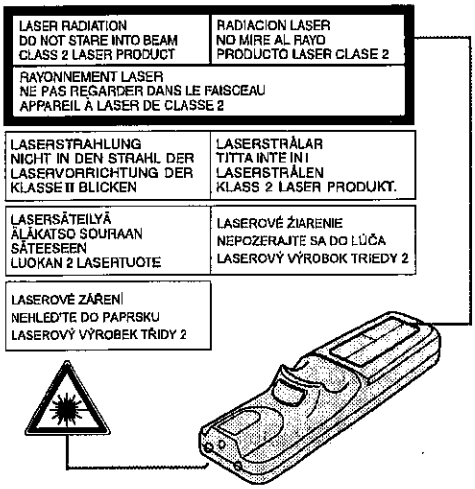


Figure 1.

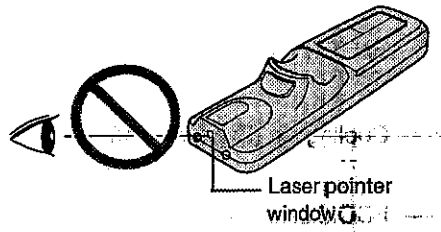
Usage Guidelines

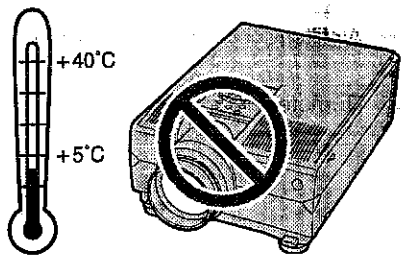


Cautions Concerning the Laser Pointer

The laser pointer on the remote control emits a laser beam from the laser pointer window. This is a Class II laser which may impair your sight if directed into the eyes. The two marks shown on the left are caution labels for the laser beam.

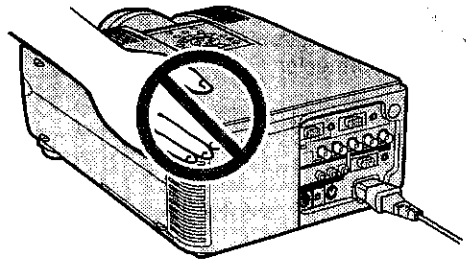
- Do not look into the laser pointer window or shine the laser beam on yourself or others. (The laser beam used in this product is harmless when directed onto the skin. However, be careful not to project the beam directly into the eyes.)
- Always use the laser pointer at temperatures between + 5°C and + 40°C.
- Use of controls or adjustments, or performance of procedures other than those specified herein may result in hazardous radiation exposure.





Cautions Concerning the Setup of the Projector

For minimal servicing and to maintain high image quality, SHARP recommends that this projector be installed in an area free from humidity, dust and cigarette smoke. If the projector is used in these environments, the lens and filter will need to be cleaned (or the filter replaced) more often, and internal cleaning may become necessary. As long as the projector is regularly cleaned, use in these environments will not reduce the overall operation life of the unit. Internal cleaning should only be performed by a Sharp Authorised LCD Projector Dealer or Service Centre.

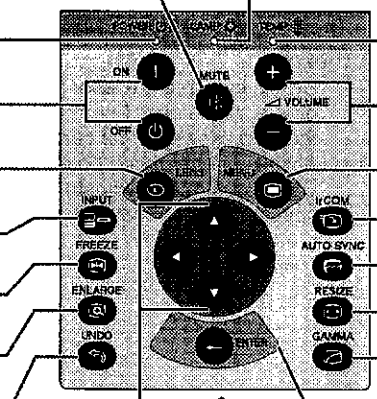


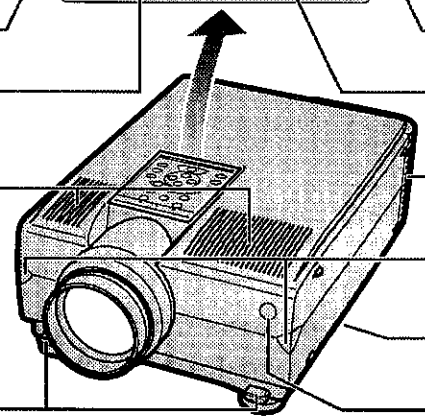
Notes on Operation

- The exhaust vent, the lamp cage cover and adjacent areas may be extremely hot during projector operation. To prevent injury, do not touch these areas until they have sufficiently cooled.
- Allow at least 10 cm of space between the cooling fan (exhaust vent) and the nearest wall or obstruction.
- If the cooling fan becomes obstructed, a protection device will automatically turn off the projector lamp. This does not indicate a malfunction. Remove the projector power cord from the wall outlet and wait at least 10 minutes. Then turn on the power by plugging the power cord back in. This will return the projector to the normal operating condition.

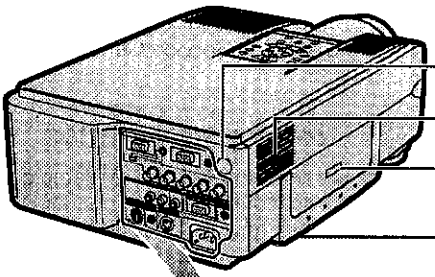
Location of Controls

Projector

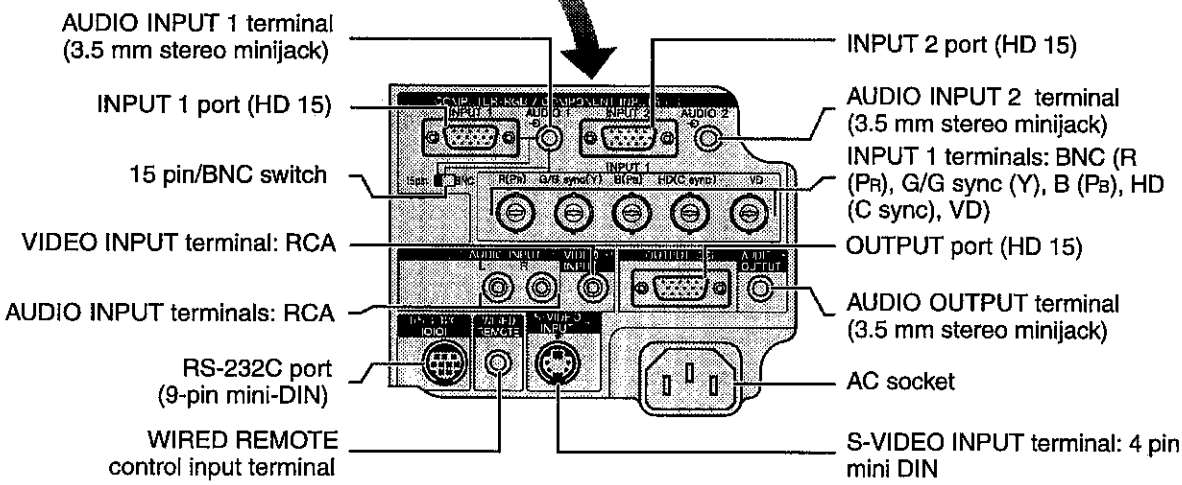




Front and Top View



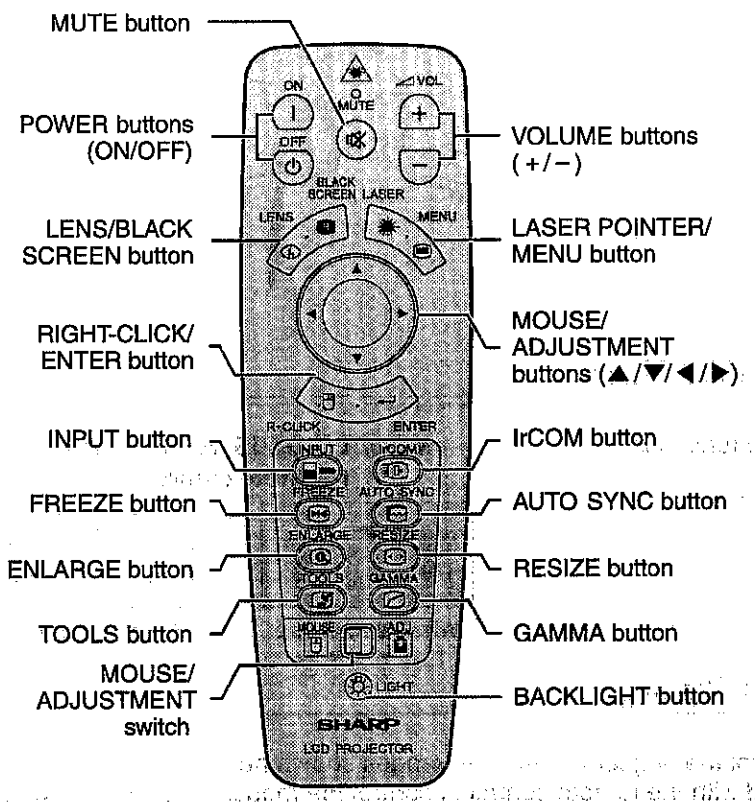
Side and Rear View


AUDIO INPUT 1 terminal (3.5 mm stereo minijack)
INPUT 1 port (HD 15)
15 pin/BNC switch
VIDEO INPUT terminal: RCA
AUDIO INPUT terminals: RCA
RS-232C port (9-pin mini-DIN)
WIRED REMOTE control input terminal
INPUT 2 port (HD 15)
AUDIO INPUT 2 terminal (3.5 mm stereo minijack)
INPUT 1 terminals: BNC (R (PR), G/G sync (Y), B (PB), HD (C sync), VD)
OUTPUT port (HD 15)
AUDIO OUTPUT terminal (3.5 mm stereo minijack)
AC socket
S-VIDEO INPUT terminal: 4 pin mini DIN

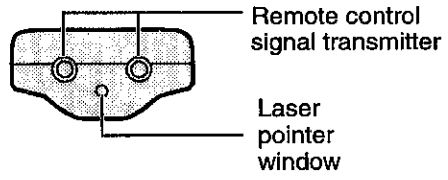
Operating the Wireless Mouse Remote Control

Remote Control

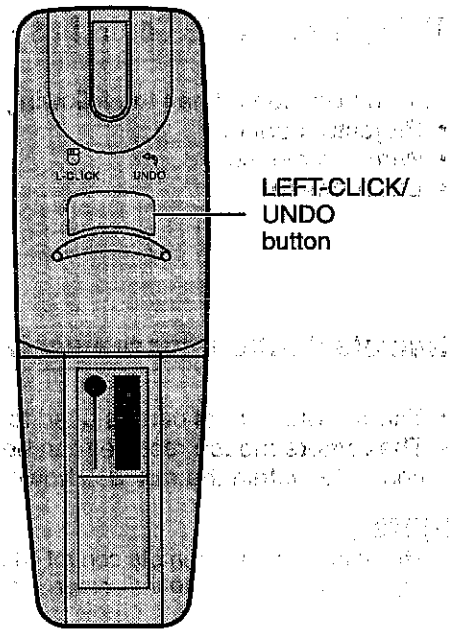
Front View



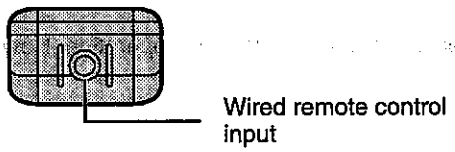
Top View



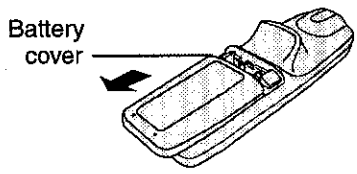
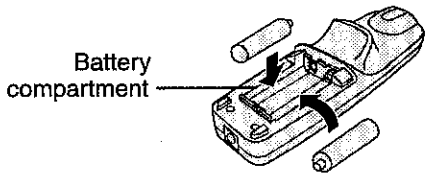
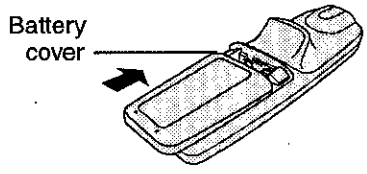
Rear View

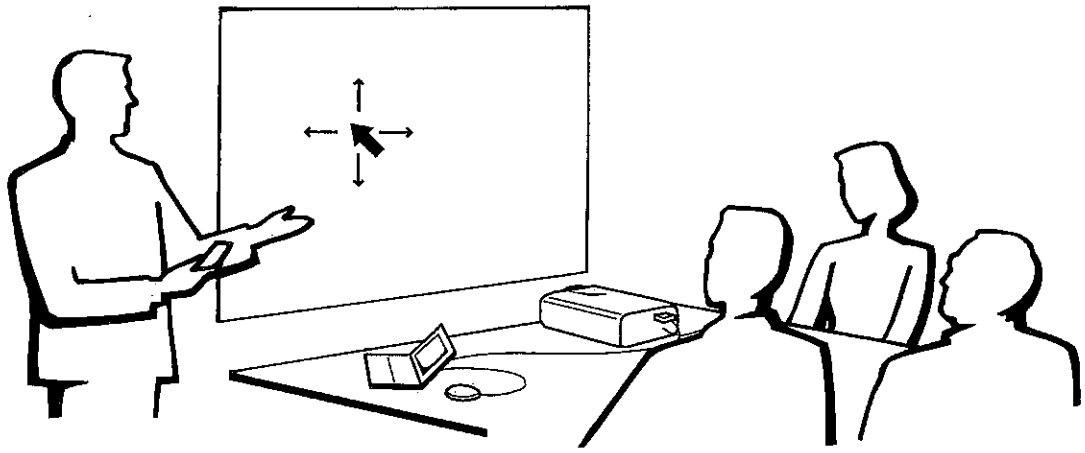


Bottom View



Inserting the batteries

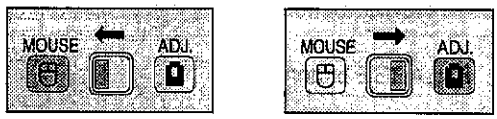
1 Press in and downward on the arrow to remove the battery cover.	**2** Insert two AA size batteries for the remote control, making sure their polarities match the + and − marks inside the battery compartment.	**3** Insert the side tabs of the battery cover into their slots and press the cover in until it is properly seated.
		



Using the Remote Control as a Wireless Mouse

The remote control has the following three functions:
- Projector control
- Wireless mouse
- Laser pointer

MOUSE/ADJUSTMENT switch (Remote control)



Wireless mouse
Laser pointer

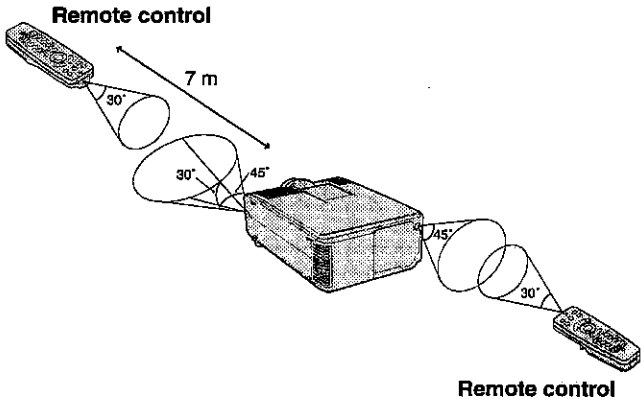
Projector control

Remote Control/Mouse Receiver Positioning

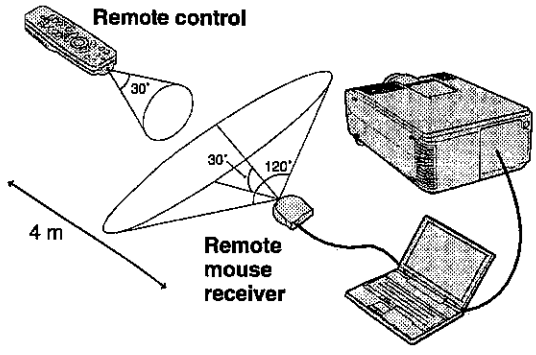
- The remote control can be used to control the projector within the ranges shown below.
- The remote mouse receiver can be used with the remote control to control the mouse functions of a connected computer within the ranges shown below.

NOTE
- The signal from the remote control can be reflected off a screen for easy operation. However, the effective distance of the signal may differ due to the screen material.

Controlling the Projector



Using the Wireless Mouse

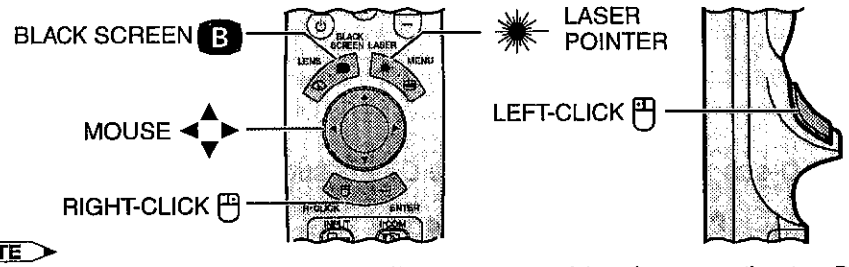


Use as a Wireless Mouse

Be sure the supplied remote mouse receiver is connected to your computer.

① Slide the **MOUSE/ADJUSTMENT** switch to MOUSE.

Effective buttons in MOUSE mode



NOTE

- The wireless mouse may not operate correctly if your computer serial port is not correctly set up. Refer to the computer 's operation manual for details of setting up/installing the mouse driver.
- For one-button mouse systems, use either the **LEFT-CLICK** or **RIGHT-CLICK** button.

LIGHT **Using the remote control in a dark room**
Press **BACKLIGHT**, and the buttons will light up. Green lights refer to mouse operations, and red lights to projector adjustments.

Button name	Position of MOUSE/ADJUSTMENT switch	
	MOUSE ⟷ ADJ.	
LASER POINTER/MENU	LASER POINTER (GREEN)	MENU (RED)
BLACK SCREEN/LENS	BLACK SCREEN (GREEN)	LENS (RED)
RIGHT-CLICK/ENTER	RIGHT-CLICK (GREEN)	ENTER (RED)
MOUSE/ADJUSTMENT	MOUSE (NOT LIT)	ADJUSTMENT (NOT LIT)
LEFT-CLICK/UNDO	LEFT-CLICK (NOT LIT)	UNDO (NOT LIT)
POWER ON/OFF	ON (RED)	
VOLUME +/−		
MUTE		

Button name	Position of MOUSE/ADJUSTMENT switch
	MOUSE ⟷ ADJ.
INPUT	ON (RED)
IrCOM	
FREEZE	
AUTO SYNC	
ENLARGE	
RESIZE	
TOOLS	
GAMMA	

Use as a Laser pointer

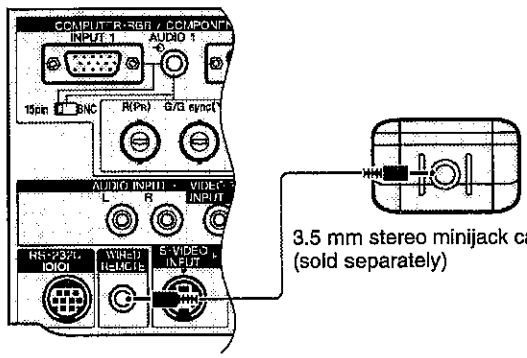
① Slide the **MOUSE/ADJUSTMENT** switch to MOUSE.

② LASER Press **LASER POINTER (✷)** to activate the laser pointer.
When the button is released, the light automatically goes off.

NOTE

- For safety, the laser pointer automatically goes off after 1 minute of continuous use. To turn it on, release **LASER POINTER (✷)** and press again.

Wired Remote Control



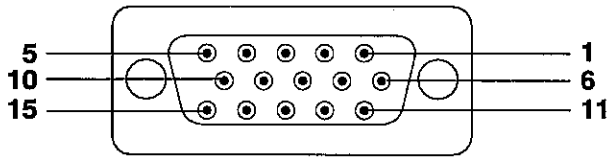
When the remote control cannot be used due to the range or positioning of the projector (rear projection, etc.), connect a 3.5 mm stereo minijack cable (sold separately) from the wired remote control input on the bottom of the remote control to the WIRED REMOTE control input terminal on the rear of the projector.

NOTE

- The laser pointer and wireless mouse functions can still be operated with the wired remoto contr

Connection Pin Assignments

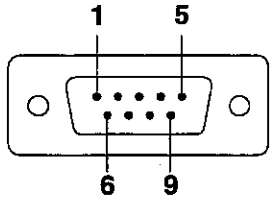
Analog Computer 1 and 2 Signal Input Ports: 15-pin mini D-sub female connector



ComputerInput
Analog

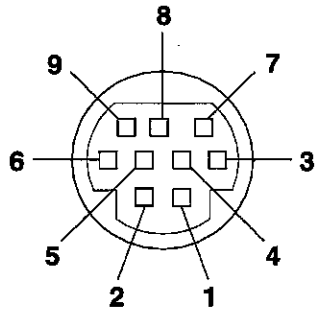
1. Video input (red)
2. Video input (green/sync on green)
3. Video input (blue)
4. Reserve input 1
5. Composite sync
6. Earth (red)
7. Earth (green/sync on green)
8. Earth (blue)
9. Not connected
10. GND
11. GND
12. Bi-directional data
13. Horizontal sync signal
14. Vertical sync signal
15. Data clock

RS-232C Port: 9-pin D-sub male connector of the DIN-D-sub RS-232C cable



Pin No.	Signal	Name	I/O	Reference
1	CD			Not connected
2	RD	Receive Data	Input	Connected to internal circuit
3	SD	Send Data	Output	Connected to internal circuit
4	ER			Not connected
5	SG	Signal Ground		Connected to internal circuit
6	DR	Data Set Ready	Output	Not connected
7	RS	Request to Send	Output	Connected to internal circuit
8	CS	Clear to Send	Input	Connected to internal circuit
9	CI			Not connected

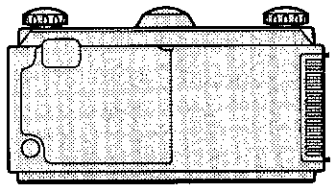
RS-232C Terminal: 9-pin mini DIN connector



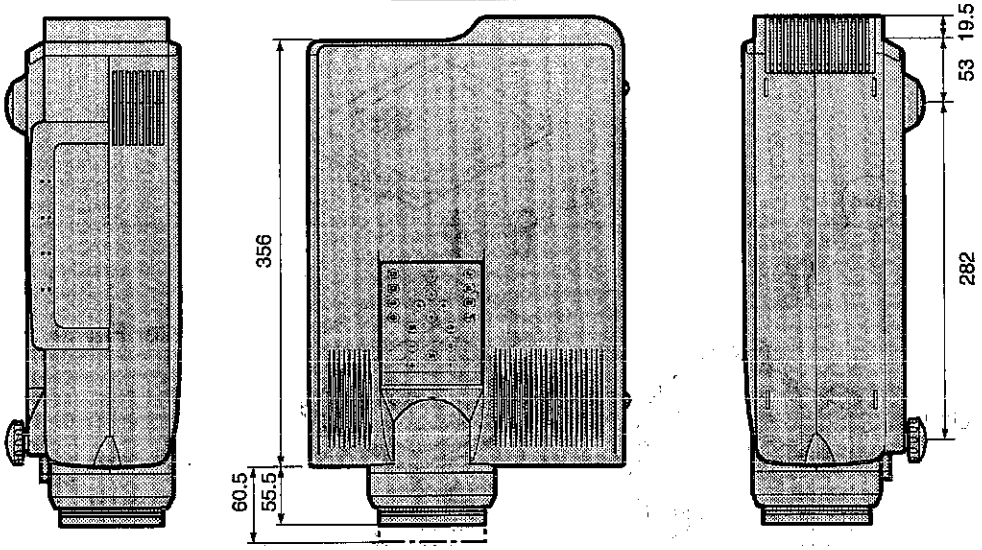
Pin No.	Signal	Name	I/O	Reference
1	VCC	+ 3.3V (Reserved)	Output	Not connected
2	RD	Receive Data	Input	Connected to internal circuit
3	SD	Send Data	Output	Connected to internal circuit
4	EXIR	Detector of Option Unit (Reserved)	Input	Not connected
5	SG	Signal Ground		Connected to internal circuit
6	ERX	IR Receive Signal from IR Amplifire (Reserved)	Input	Not connected
7	RS	Request to Send	Output	Connected to internal circuit
8	CS	Clear to Send	Input	Connected to internal circuit
9	ETX	IR Transmit Signal (Reserved)	Output	Not connected

Dimensions

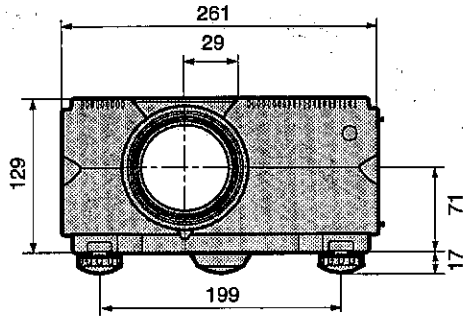
Rear View



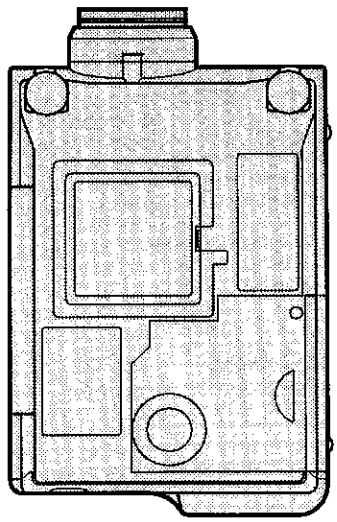
Top View



Side View



Front View



Bottom View

Units:mm

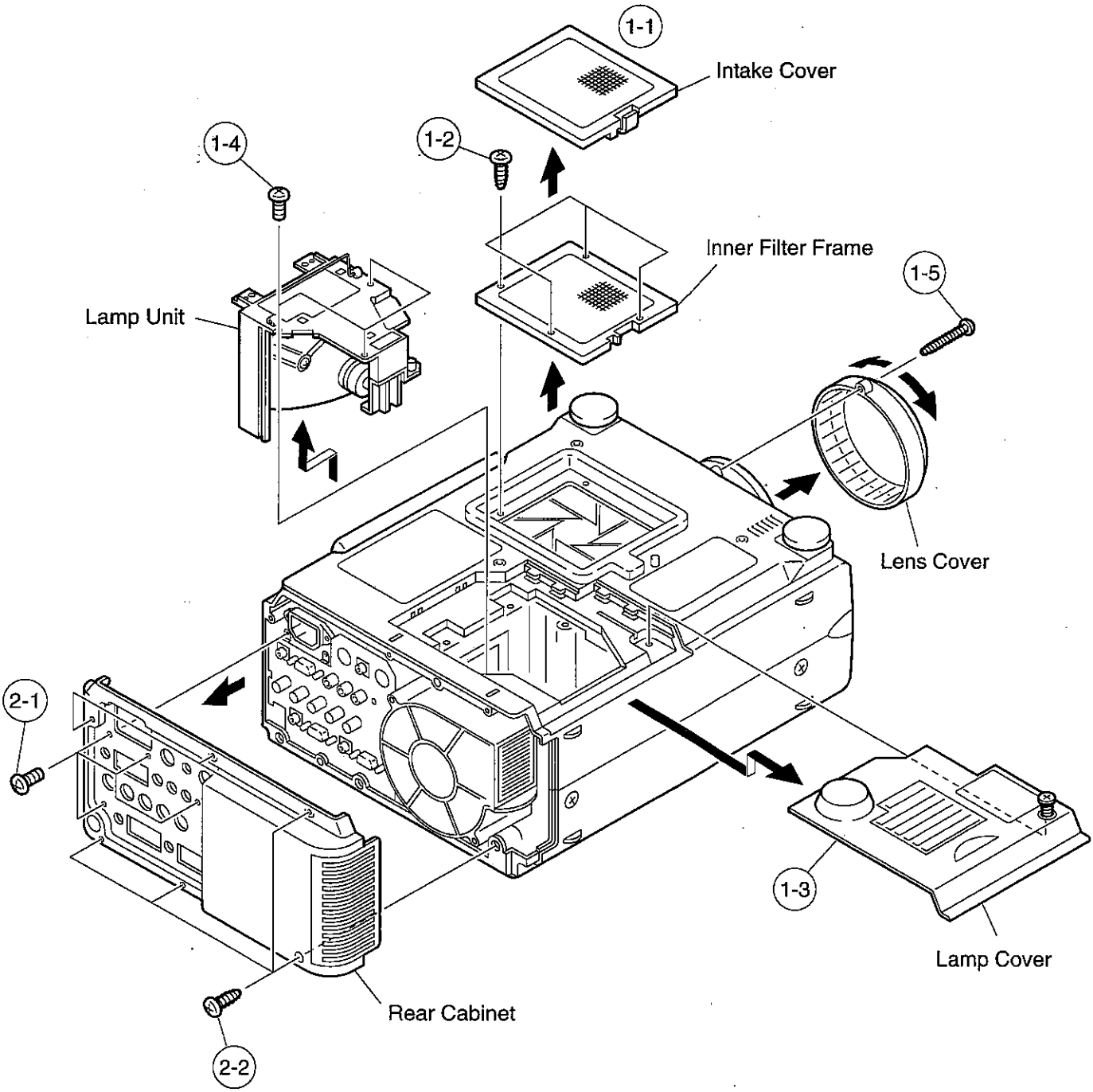
REMOVING OF MAJOR PARTS

1. Removing the Intake cover, lamp unit and lens cover.

1-1. Detach the Intake cover.
1-2. Remove the four lock screws off the inner filter frame. Detach the frame.
1-3. Remove the lock screw off the lamp cover. Slide and detach the lamp cover.
1-4. Remove the three lock screws off the lamp unit and detach the lamp unit.
1-5. Remove the lens cover lock screw, and turn and detach the lens cover.

2. Removing the rear cabinet.

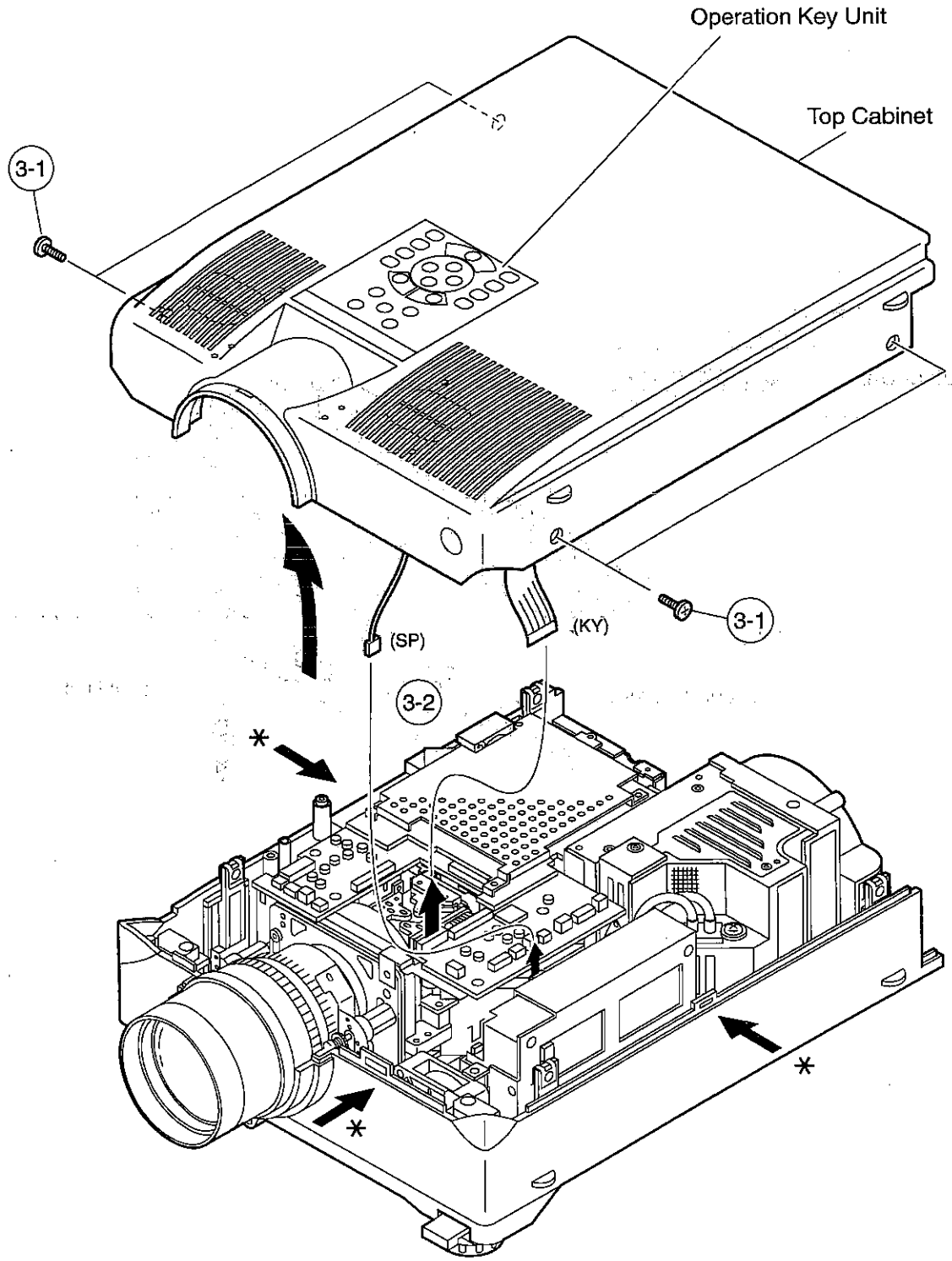
2-1. Remove the four lock screws off the terminal board.
2-2. Remove the six lock screws off the rear cabinet. Detach the rear cabinet.



3. Removing the top cabinet.

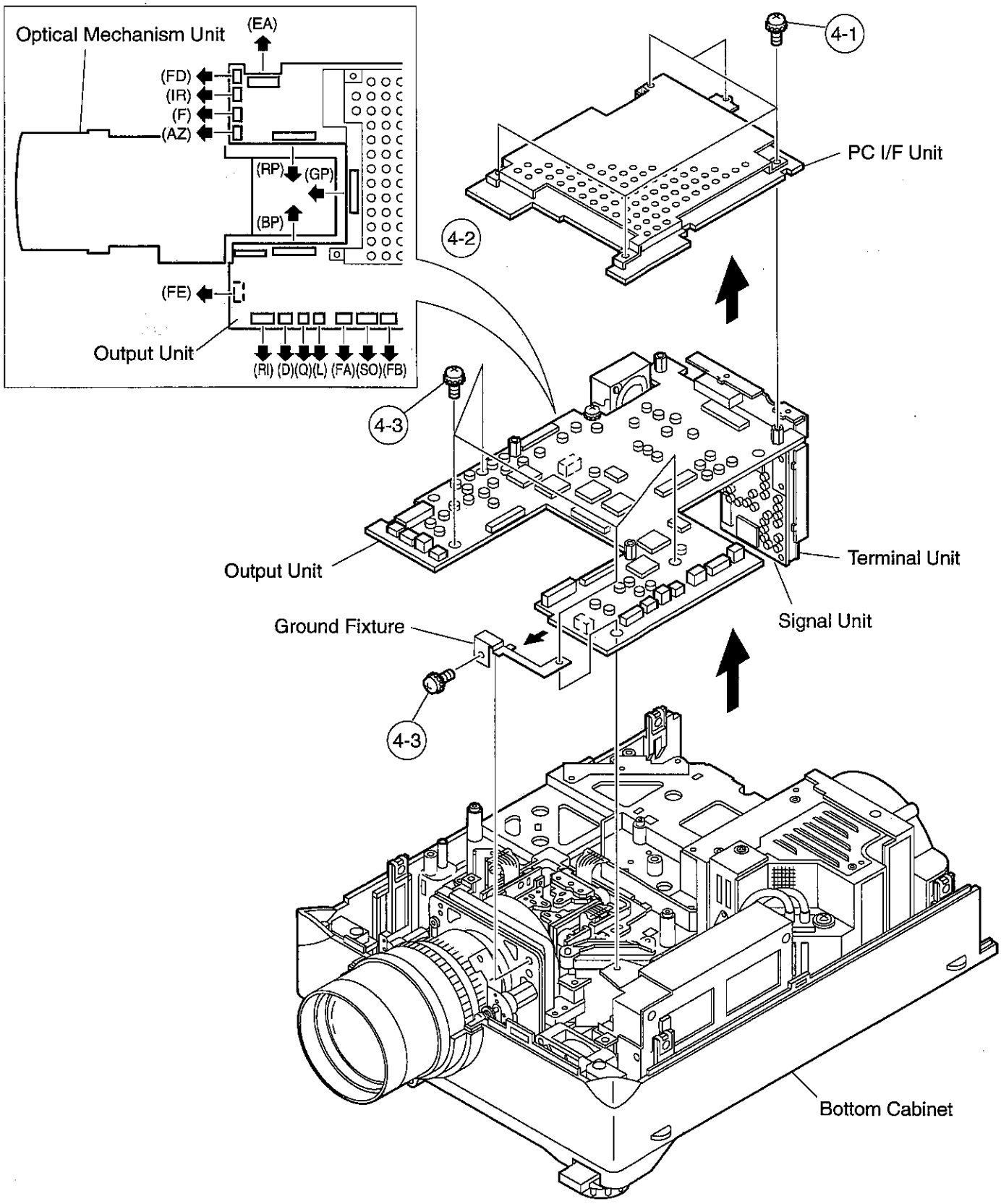
3-1. Remove the four lock screws off the top cabinet.

3-2. Unhook the top cabinet by pressing the center of both sides of the bottom cabinet as well as the hook on the front (all marked with ✳). Slowly lift the back of the cabinet and disconnect the operation key unit connector (KY) and the speaker connector (SP). Then detach the top cabinet.



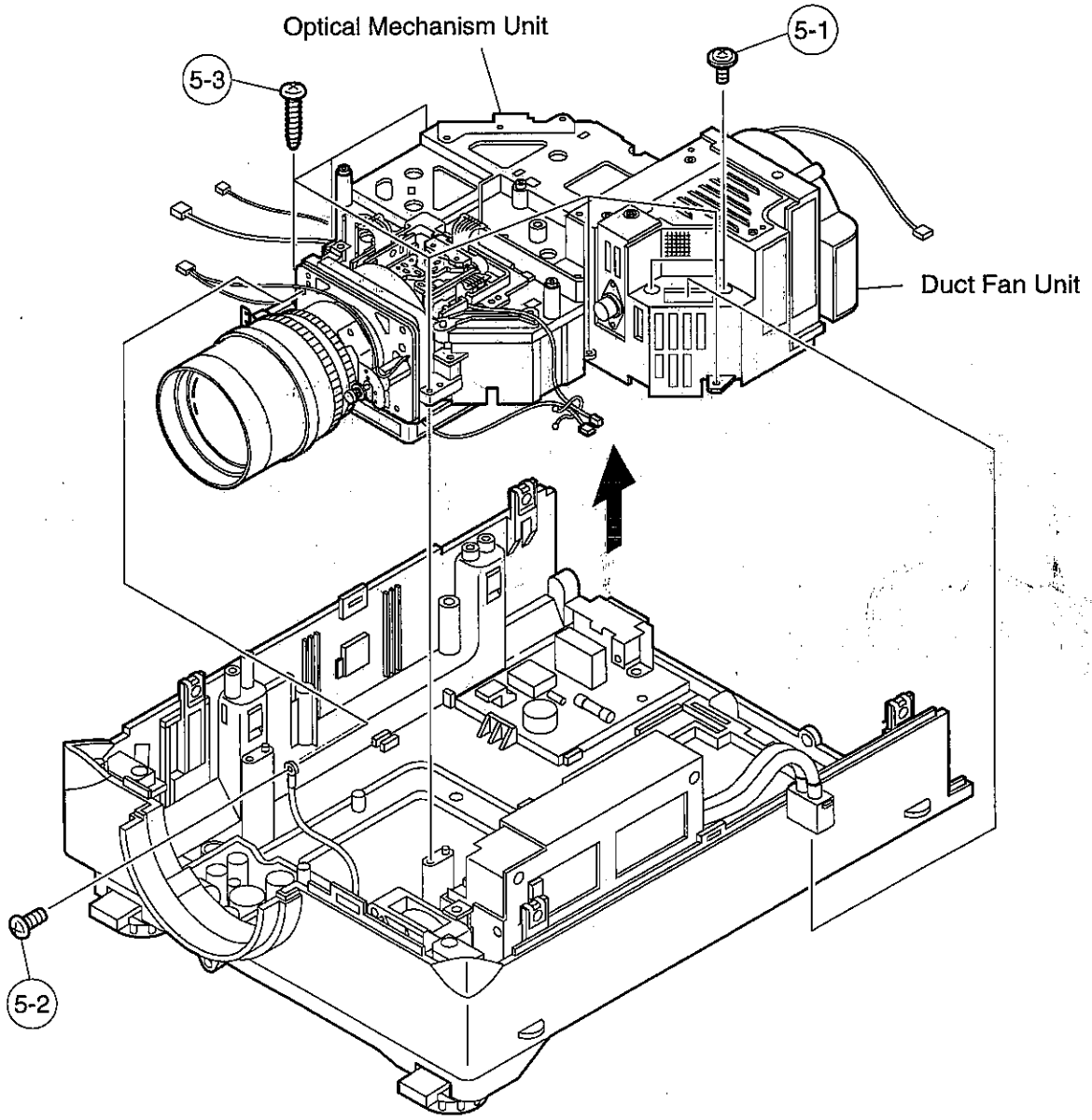
4. Removing the PWB units

4-1. Remove the five lock screws off the PC I/F unit. Lift and detach the unit off the output unit.
4-2. Disconnect the connectors from the output unit.
4-3. Remove the four lock screws off the output units. Remove also the lock screw off the ground fixture and detach the ground fixture. Lift and detach the output, terminal and signal units.



5. Removing the optical mechanism unit

5-1. Remove the two lock screws off the lamp socket holder. Detach the holder.
5-2. Disconnect the ground wire from the power unit.
5-3. Remove the six lock screws off the optical mechanism unit. Lift and detach the unit.



6. Removing the ballast / filter / sound-out unit assembly.

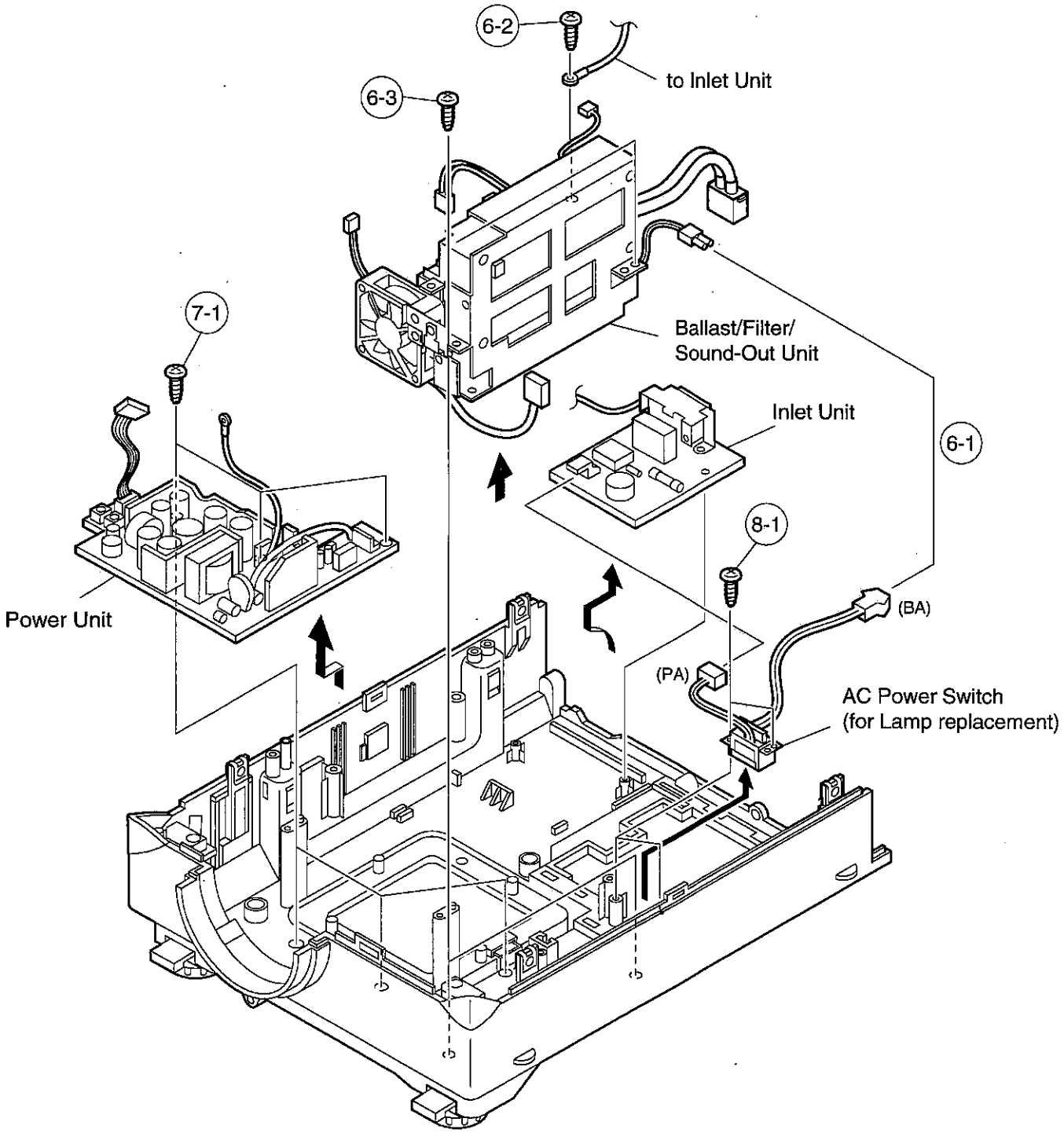
6-1. Disconnect the connector (BA) from the AC power switch.
6-2. Disconnect the ground wire from the inlet unit.
6-3. Remove the two lock screws off the ballast/filter/sound-out unit assembly. Detach the assembly.

7. Removing the power unit

7-1. Remove the three lock screws off the power PWB. Detach the power unit.

8. Removing the AC power switch and inlet unit.

8-1. Remove the two lock screws off the AC power switch, disconnect the connector (PA) from the inlet unit, and detach the AC power switch and the inlet unit.

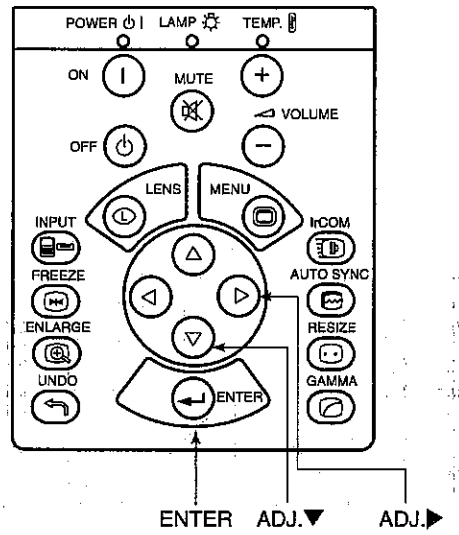


RESETTING THE TOTAL LAMP TIMER

When the lamp has been replaced, reset the total lamp timer in the following steps.

Resetting procedure

1. While holding down the "ENTER", "ADJ.▼" and "ADJ.▶" keys on the set at the same time, turn on the POWER ON key.
2. Now the total lamp timer is reset to zero. "000H" appears on the screen.



Lamp

The lamp in this projector operates for approximately 2,000 cumulative hours, depending on the usage environment. It is recommended that the lamp be replaced after 1,900 cumulative hours of ues or when you notice a significant deterioration of the picture and colour quality. The lamp usage time can be checked with the On-screen Display.

⚠ CAUTION

- Intense light hazard. Do not attempt to look into the aperture and lens while the projector is operating.

NOTE

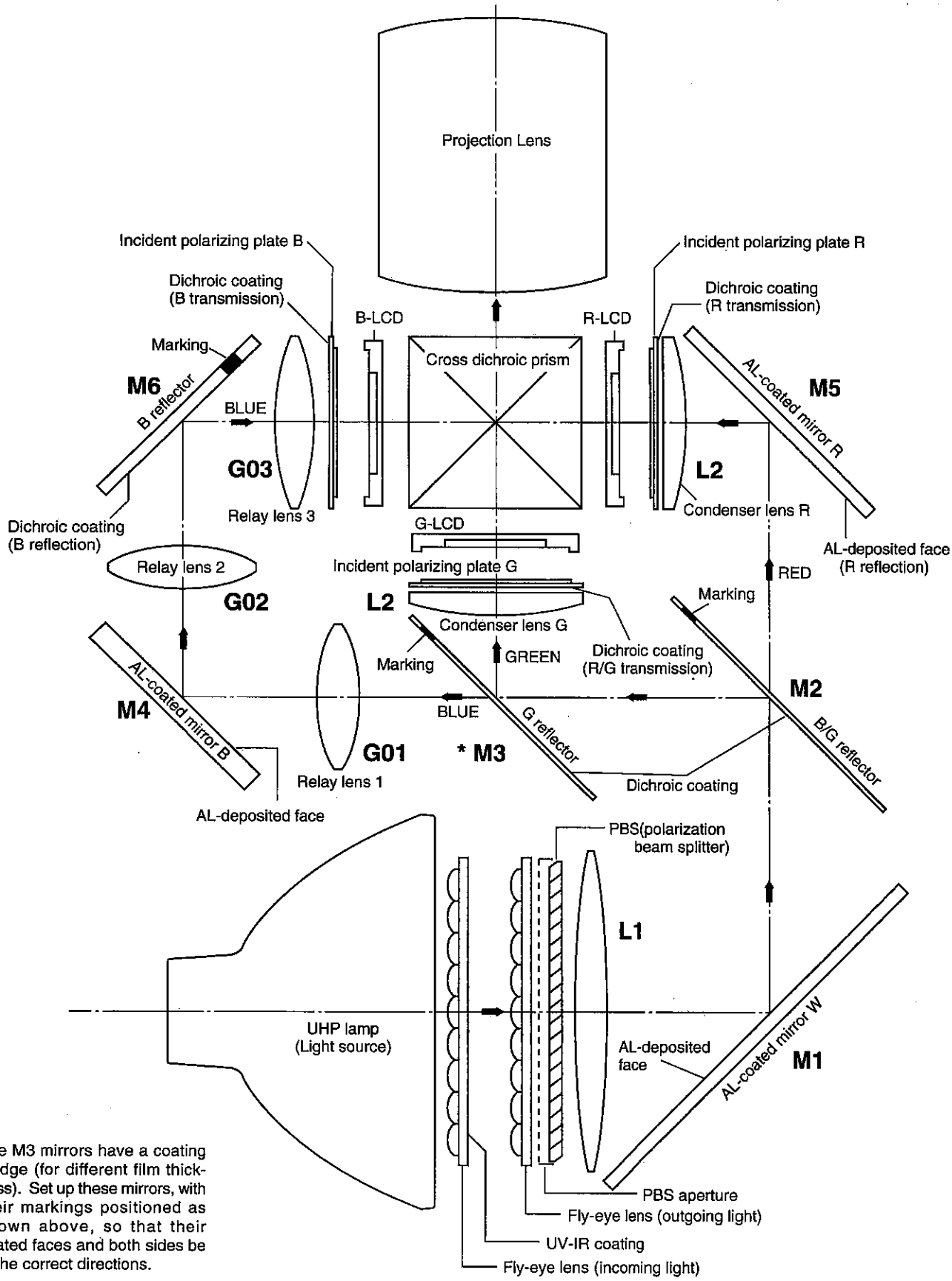
- As the usage environment can vary significantly, the projector lamp may not operate for 2,000 hours.

Maintenance Indicator	Condition	Problem	Possible Solution
TEMPERATURE WARNING indicator	The internal temperature is abnormally high.	· Blocked air intake.	· Relocate the projector to an area with proper ventilation.
		· Clogged air filter.	· Clean the filter.
		· Cooling fan breakdown. · Internal circuit failure.	· Take the projector to your nearest Authorized Sharp Industrial LCD Products Dealer or Service Center for repair.
LAMP REPLACEMENT indicator	The lamp does not light up.	· Burnt-out lamp. · Lamp circuit failure.	· Carefully replace the lamp. · Take the projector to your nearest Authorized Sharp Industrial LCD Products Dealer or Service Center for repair.
POWER indicator	The POWER indicator flashes in red when the projector is on.	· The bottom filter cover is open.	· Securely install the bottom filter cover.

THE OPTICAL UNIT OUTLINE

Layout of the optical system

Note: Layout for positioning the optical system.



* The M3 mirrors have a coating wedge (for different film thickness). Set up these mirrors, with their markings positioned as shown above, so that their coated faces and both sides be in the correct directions.

CONVERGENCE AND FOCUS ADJUSTMENT

- **Start the convergence and focus adjustments with the top cabinet and the LCD cover removed but the power on. Use the remote control to adjust the image. Take the following procedures.**

1. Focusing the projection lens

(A) Replacing all the 3 LCD panels

1. Before replacing all the 3 LCD panels, project an image on the screen and bring it into focus.
2. Replace the panels with new ones. But until the focus has been completely readjusted, be careful not to change the distance between the set and the screen, nor to move the projection lens focus and zoom rings.
   If the focus is readjusted with a different positional relation, the relation between the projection distance and the screen size is affected. In other words, a short-distance image (40 WIDE, for example) may get out of the focus range, or a long-distance image (300 WIDE, for example) may come out of focus.

(B) Replacing 1 or 2 of the 3 LCD panels

1. In adjusting the focus after replacement of one or two LCD panels, project an image on the screen and turn the projection lens focus ring to get the non-replaced LCD panel into focus.
2. But until the focus has been completely adjusted for the new LCD panels, be careful not to change the distance between the set and the screen, nor to move the projection lens focus and zoom rings.
   (If the distance has been changed or the projection lens readjusted, repeat the above steps 1 and 2.)

2. Adjusting the G-LCD panel

(A) Focus adjustment. (Make this adjustment on the white-only screen.)

1. Right-and-left focus adjustment (θY direction) .
   Loosen the lock screws "b" and "c" and insert the eccentric screwdriver into the notch and hole "b". Turn the screwdriver until the right and left halves on the screen get into focus.
   First get the right and left halves in balance. Then improve the accuracy while making the adjustment 2 below.
2. Top-center-bottom focus adjustment (θX and Z directions).
   Loosen the lock screws "a" and "c" and insert the eccentric screwdriver into the notch and hole "a" or "c". Turn the screwdriver until the top, center and bottom on the screen get into focus. In adjusting this top-to-bottom focus, temporarily tighten the lock screw "b" to fix the θY direction adjustment.
3. Repeat the above steps 1 and 2 to finely adjust the focus. Finally tighten up all the lock screws.

Notes :

① Carefully proceed with the focus adjustment because the adjusting directions are correlated.
② In adjusting the convergence and focus, do not move the projection lens zoom and focus rings until the end of all the adjustments.

(B) Convergence adjustment

- The G-LCD panel has no convergence adjustment mechanism. Use this panel as convergence adjustment reference.

3. B-LCD panel adjustment (the same for the R-LCD panel)

(A) Focus adjustment

- Take the same procedure as for the G-LCD panel focus adjustment. Note that the adjustment range is small in the Z direction. If the convergence is quite different between the B-LCD and G-LCD panels, roughly adjust the convergence first and then the focus.

(B) Convergence adjustment

- Use a crosshatch pattern signal for this adjustment.
  Make the adjustment just for the G-colour and the relevant colour.
  (1) Loosen the convergence lock screw "d".
  (2) With the G-LCD panel's screen center as reference, adjust the B-LCD panel in the X, Y and θZ directions.
  (3) Finally tighten up the convergence lock screw "d".

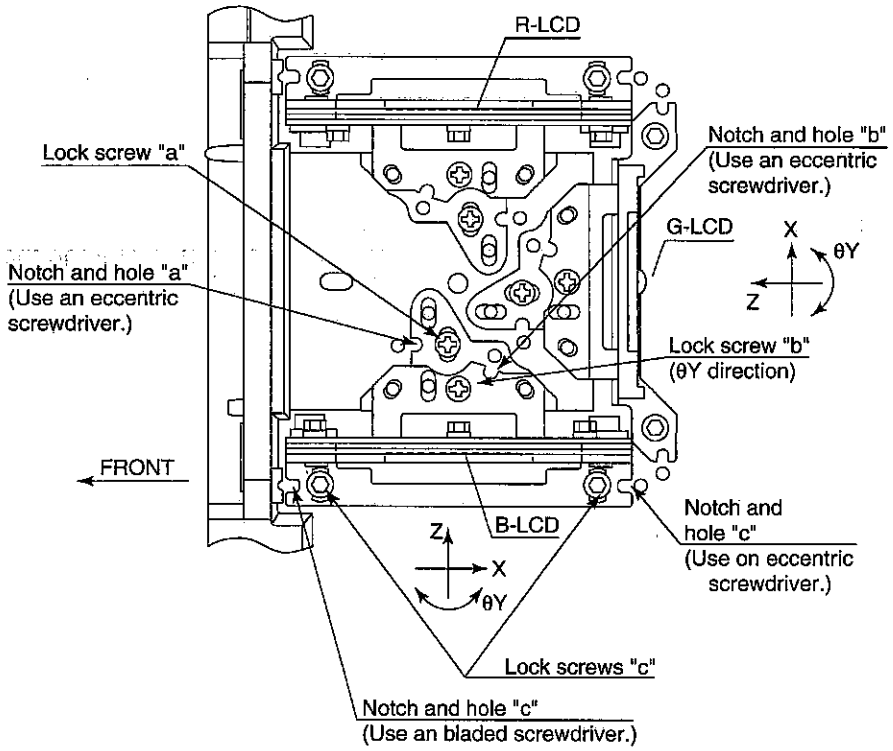
Notes :

① The eccentric cam is used for convergence adjustment. This means that the cam's turning and the linear movement are not always uniform.

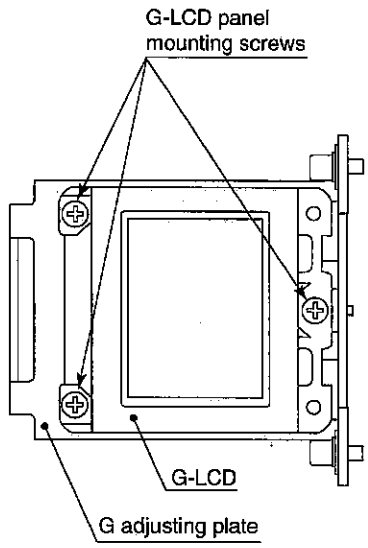
② This model is not equipped with the LCD image adjustment mechanism. This is because the dichroic prism is used for image formation. When the LCD panels all get into the best focus, the images are almost completely converged.

Convergence and Focus Adjustments Mechanism

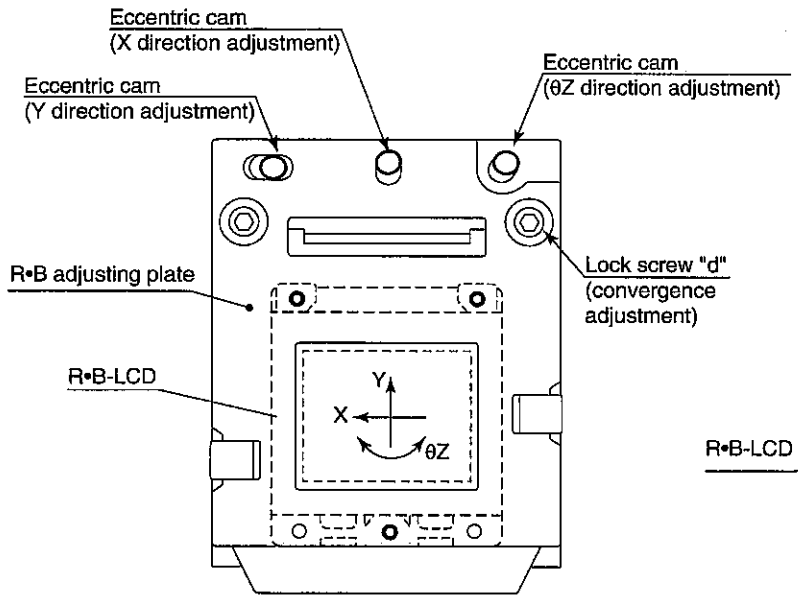
TOP VIEW



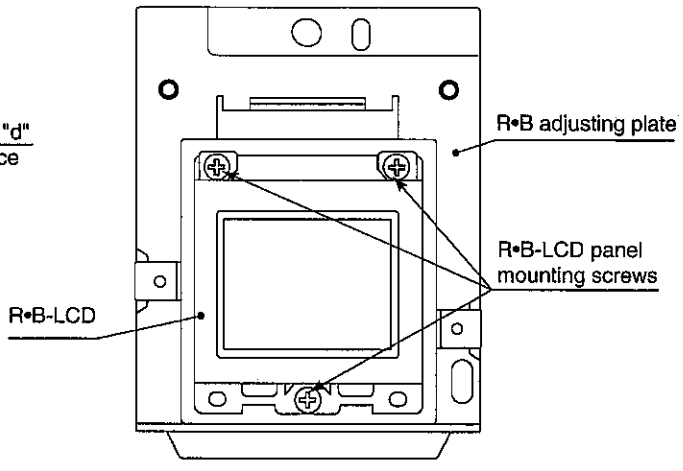
SIDE VIEW



SIDE VIEW (from inside)



SIDE VIEW (from outside)



Convergence and Focus Adjustments at a Glance

Adjustment directions

Adjustment	Direction	Definition	Direction of LCD panel
Convergence	X direction		LCD right and left
	Y direction		LCD top and bottom
	θZ direction	Rotation around Z axis	LCD turning axis
Focus	Z direction		LCD optical axis
	θX direction	Rotation around X axis	LCD top-to-bottom flapping
	θY direction	Rotation around Y axis	LCD right-to-left flapping

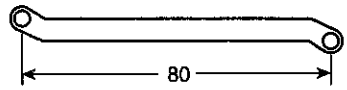
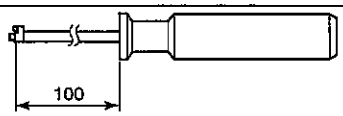
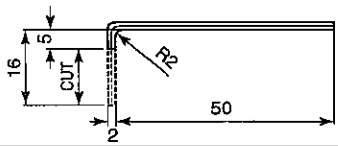
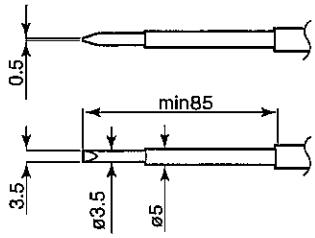
Convergence and Focus Adjustment for the Optical Mechanism

Colour	Adjustment	Direction	Movement	Position	Adjusting tool	Lock screw	Tightening tool
R/B colours	Convergence	X direction	±0.8mm	Eccentric cam	Eccentric cam adjusting wrench	d	Hex wrench
		Y direction	±0.8mm	Eccentric cam	Eccentric cam adjusting wrench	d	Hex wrench
		θZ direction	±1°	Eccentric cam	Eccentric cam adjusting wrench	d	Hex wrench
	Focus	Z direction	±0.8mm	Notch and hole "a" & "c"	Eccentric screwdriver, Bladed screwdriver	a, c	Phillips screwdriver, *Hex wrench
		θX direction	±1°	Notch and hole "a" & "c"		a, c	
		θY direction	±1°	Notch and hole "b" & "c"		b, c	
G colour	Focus	Z direction	±0.2mm	Same as for R and B colours			
		θX direction	±1°				
		θY direction	±1°				

Focus Adjustments the Other Way

Lock screw	Position	Related direction
a	Notch and hole "a"	Z and θX directions
b	Notch and hole "b"	θY direction
c	Notch and hole "c"	Z, θX and θY directions

Convergence and Focus Adjusting and Tightening Tools

Tool	Specific or General	Tool code	Configuration
Eccentric cam adjusting wrench	Specific	9DASPN-XGNV1U	
Eccentric screwdriver	Specific	9EQDRiVER-NV1A	
Hex wrench	General (redesigned)	9EQLNC-XGNV1U	
Bladed screwdriver	General	9EQDRiVER-NV1B	
Phillips screwdriver	General	—	For M2.6 pan-head machine screw
*Hex wrench	General	—	Preferably use a 70 mm or longer screwdriver (with a handle).

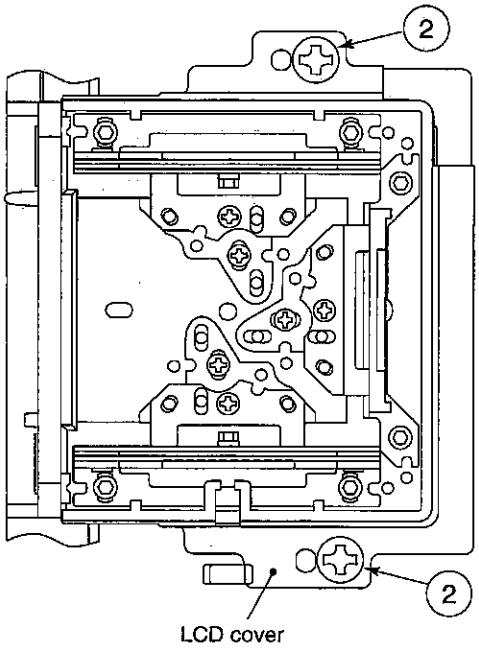
Replacing the LCDs

With the top cabinet removed

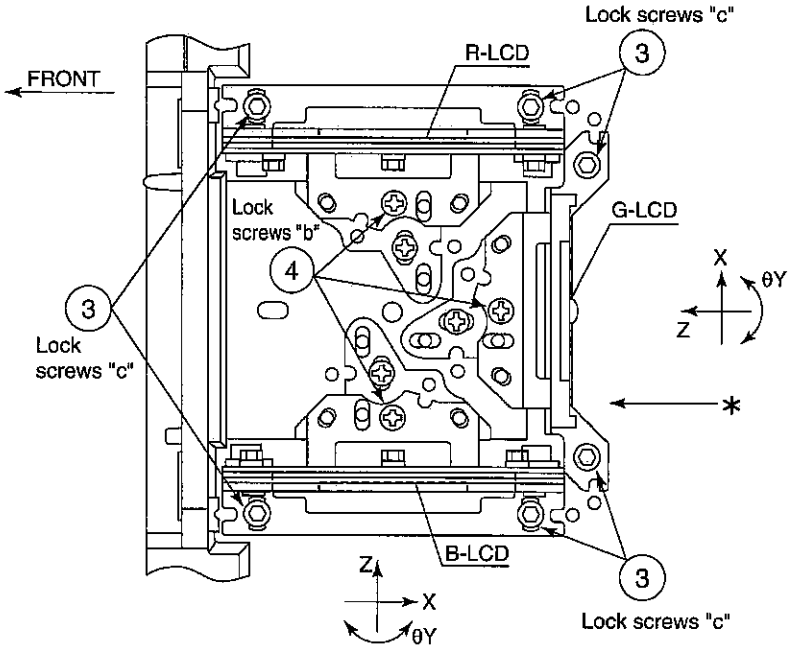
(1) Disconnect the LCD flat cable from the output PWB connector.
(2) Remove the two screws of the LCD cover.
(3) Remove the lock screws "b" and "c". Detach the R/B adjusting plate or the G adjusting plate together with the LCD panel.
(4) Separate the LCD panel from the adjusting plate.
(5) Mount a new LCD panel in the reverse order of the above steps (1), (2), (3) and (4).

* Readjust the convergence and focus. Note that the G LCD panel needs no convergence adjustment and has a small adjustment range in the Z direction.

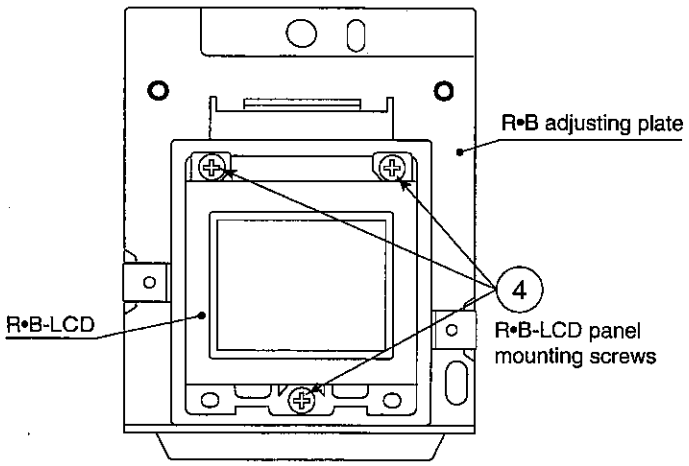
TOP VIEW



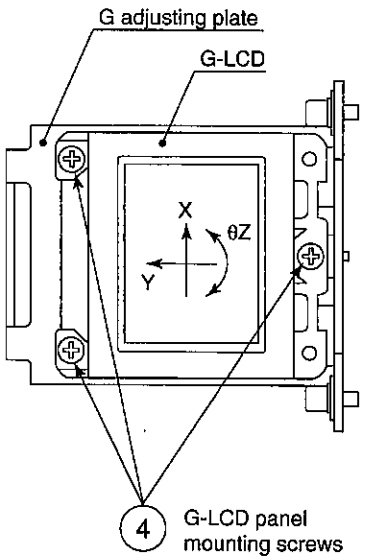
TOP VIEW



SIDE VIEW



SIDE VIEW

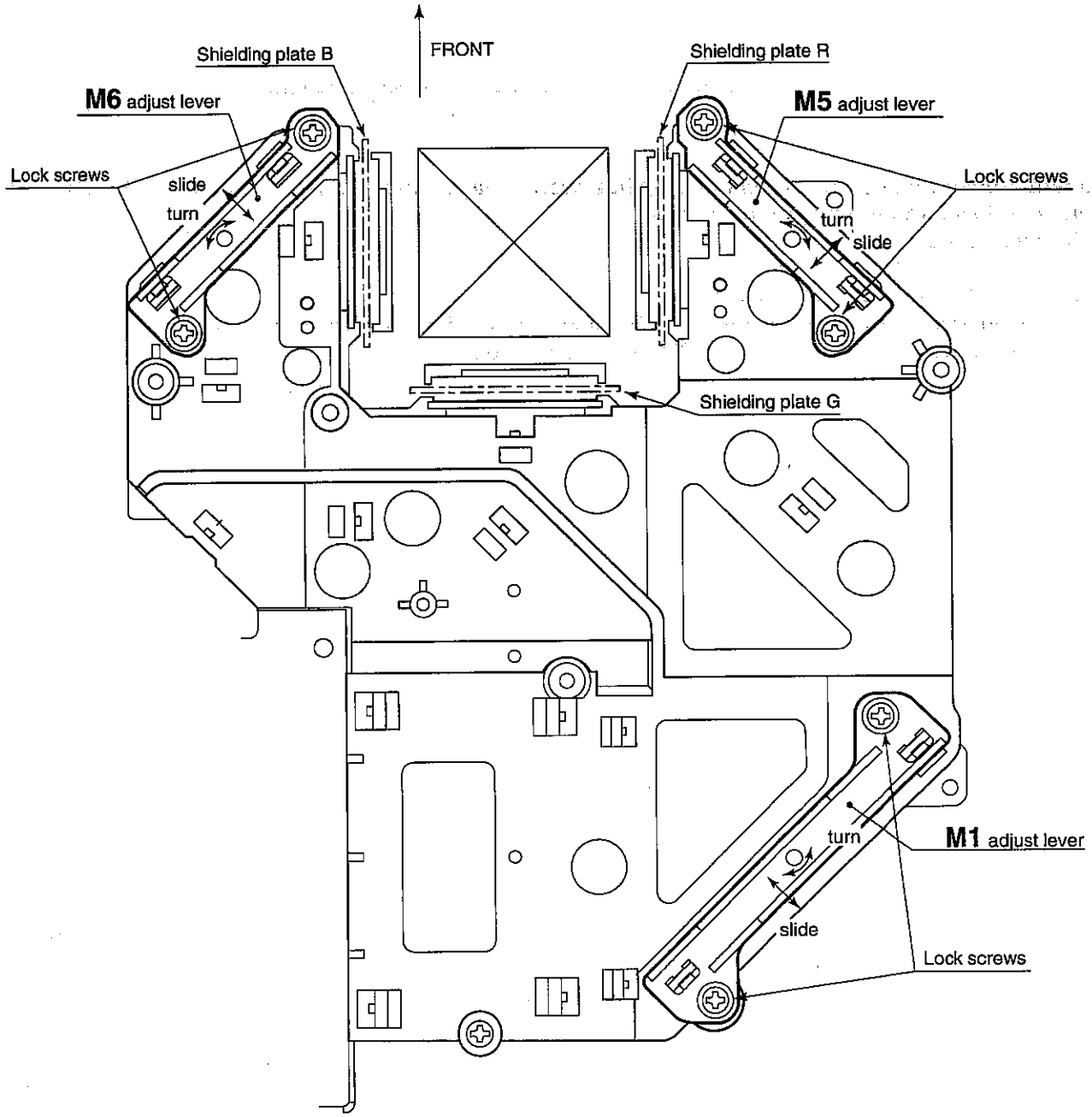


Adjusting the optical axis of the mirrors (M1, M5 and M6)

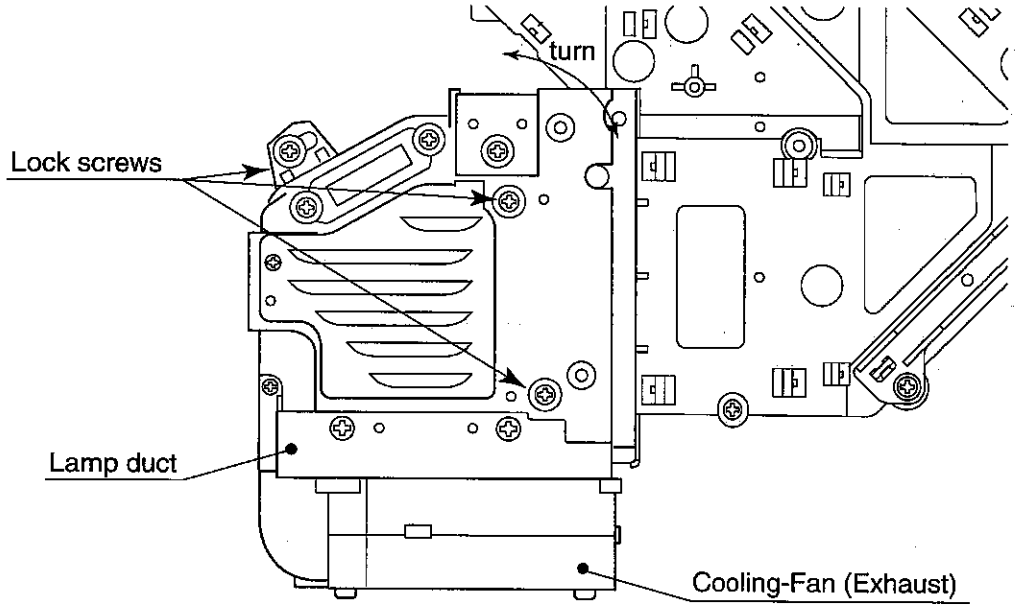
The optical axis must be readjusted if an eclipse happens with the R. G or B mirrors. Generally speaking, this adjustment is needed when any of the internal optical components has been replaced.

Adjustment procedure required when any of the panels has been replaced or the convergence has been adjusted

(1) Disconnect the flat cables of all the LCD panels.
(2) Let the lamp light up.
(3) To adjust the G mirror, shield the R and B mirrors with shielding plates (You can use a business card or the like to block the light).
(4) Loosen the lock screw of the M1 adjust lever.
(5) Looking at the G image on the screen, turn or slide the M1 adjust lever until the eclipse on the screen disappears. Tighten up the screw.
(6) To adjust the R mirror, shield the G and B mirrors and adjust the M5 adjust lever. For the B mirror, shield the R and G mirrors and adjust the M6 adjust lever.
(Take the same steps 4 and 5 above.)
(7) Remove all the shielding plates to have a white image.
Make sure there is no eclipse.



Adjusting the lamp duct.



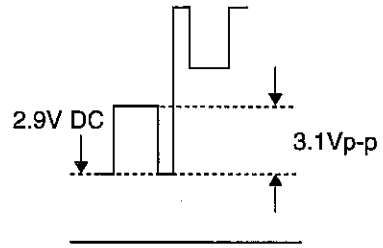
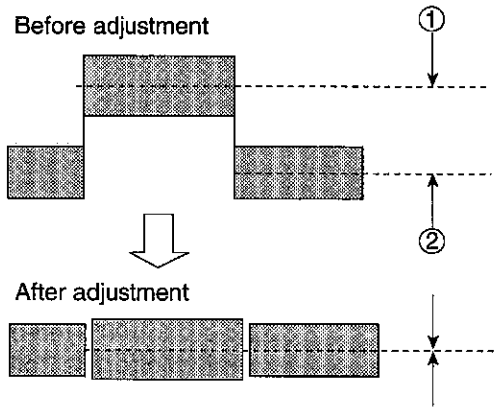
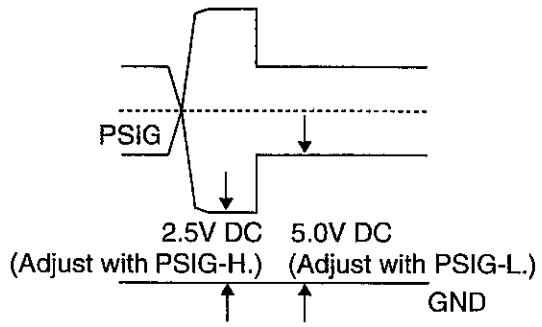
Adjustment procedure reguired when the lamp has been replaced and you can see ununifomity. (Case of Right and Left have ununifomity on the screen)

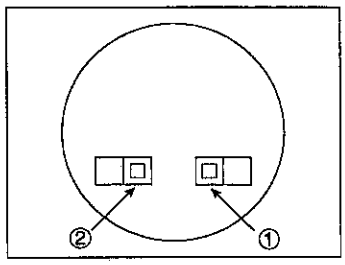
(1) Let the lamp light up.
(2) Receive the white pattern signal at 100%.
(3) Loosen the lock screws of the lamp duct.
(4) Looking at the white image on the screen, turn the lamp duct until the uniformity comes to best point on the screen.
(5) Tighten the lock screws of the lamp duct. (Tighten torque is 10±2kg·cm)

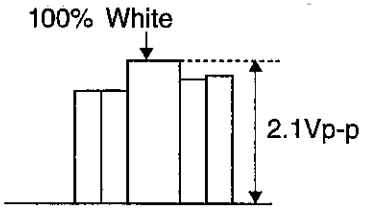
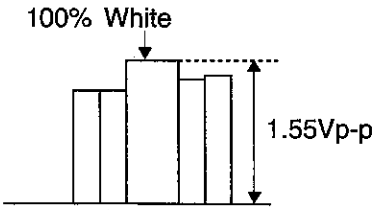
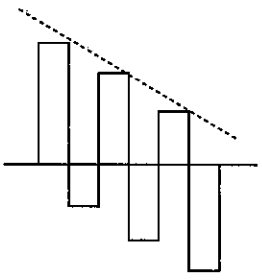
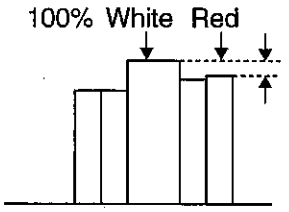
ELECTRICAL ADJUSTMENT

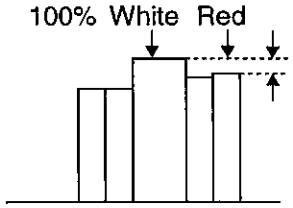
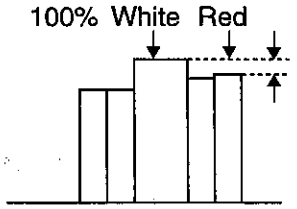
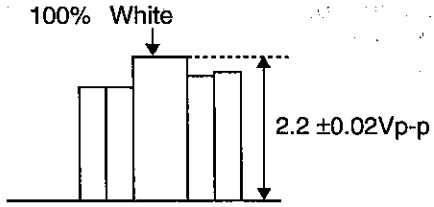
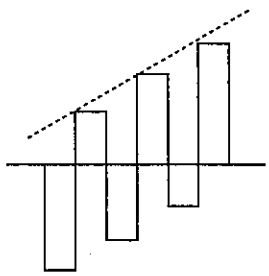
Hook up a signal generator, or a DOSV or Mac personal computer to the projector in order to feed the signals specified in the Adjusting conditions.

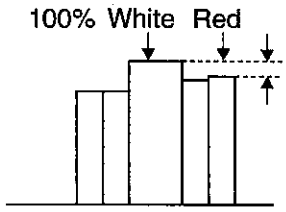
No.	Adjusting point	Adjusting conditions	Adjusting procedure
1	**EEPROM initialization**	1. Turn on the power (make sure the lamp lights up) and warm up the unit for 15 minutes.	• Make the following settings: Press S5001 to call up the process mode and execute S2 and S4 in the SSS menu. Now the system, with the PC board not included, is initialized. Do not execute S1 because otherwise the PC board will be initialized. To adjust the PC board, follow the instruction in "Adjusting the PC Interface". (See page 32)
2	**3.3V power supply adjustment**	1. Turn on the power. 2. Connect the digital voltmeter to TP8083.	• Adjust VR704 so that the voltmeter should read 3.300 V ±100 mV.
3	**2.5V power supply adjustment**	1. Turn on the power. 2. Connect the digital voltmeter to TP8082.	• Adjust R705 so that the voltmeter should read 2.600 V ±50 mV.
4	**R drive**	1. Make the following choice. Group : A/D Subject : GAIN Make sure the GAIN value is 155. 2. Feed the 100% red-only signal. Make the following choice. Group : A/D Subject : R-D	• Using the control switches or the remote controller buttons, adjust the data so that the signal becomes bit-less (noise).
5	**B drive**	1. Feed the 100% blue-only signal. Make the following choice. Group : A/D Subject : B-D	• Using the control switches or the remote controller buttons, adjust the data so that the signal becomes bit-less (noise).
6	**G drive**	1. Feed the 100% green-only signal. Make the following choice. Group : A/D Subject : G-D	• Using the control switches or the remote controller buttons, adjust the data so that the signal becomes bit-less (noise).
7	**GAIN**	1. Make the following choice. Group : A/D Subject : GAIN	• Set the Gain value 170.

No.	Adjusting point	Adjusting conditions	Adjusting procedure
8	**RGB 1 system black level signal amplitude (odd-numbered)**	1. Make the following choice: Group : OUTPUT 1 Subject : R1-BLK R1-GAIN For green, choose the subjects G1-BLK and G1-GAIN. For blue, choose the subjects B1-BLK and B1-GAIN. 2. Connect the oscilloscope to TP1101 for red. TP1201 for green TP1301 for blue	• Choose the subject R1-GAIN and adjust the signal amplitude to 3.1 ±0.1 Vp-p using the control switches or the remote controller buttons. • Next, choose the subject R-BLK and adjust the black peak level to 2.9 ±0.1V DC.  • Make the same adjustments for green and blue.
9	**Offset voltage adjustment**	1. Feed the 50% gray pattern signal. 2. Select the following subject. Group : OUTPUT2 Subject : R-OFFSET Select the subjects G-OFFSET and B-OFFSET for the green and blue colours, respectively. 3. Connect the instrument to TP1101 and TP1104 (R). 4. Connect the instrument to TP1201 and TP1204(G) for green, and TP1301 and TP1304(B) for blue.	• Select the subject R-OFFSET. Make such adjustment that the signal level at the top center ① and that at the bottom center ② of the output waveform on the instrument screen be the same.  • Make the same adjustments for green and blue.
10	**P SIGNAL**	1. Connect the oscilloscope to TP1102 for red. TP1202 for green. TP1302 for blue. 2. Make the following choice: Group : OUTPUT 2 Subject : PSIG-H : PSIG-L	• Adjust the PSIG waveform to the one shown below.  • For the green and blue colours, make sure their waveforms are similar to that of the red colour.

No.	Adjusting point	Adjusting conditions	Adjusting procedure
11	**Sample-and-hold pulse phase** **RCK-PHASE** **GCK-PHASE** **BCK-PHASE**	1. Feed the XGA mode 75-Hz black signal. 2. Make the following choice: Group : OUTPUT 3 Subject : SH-PHASE (Have the standard level at 8.) Fix the RCK-, GCK- and BCK-PHASE settings all to 8.	• Using the control switches or the remote controller buttons, make sure that the "OUTPUT 3" characters are not blurry and there is no ghost image. If such blur or ghost occurs, finely adjust the setting in the range of 7~9.
12	**RGB counter-voltage adjustment**	1. Feed the black-and-red (25%) stripe signal (XGA). 2. Make the following choice: Group : OUTPUT 3 Subject : RC (R)	• Using the control switches or the remote controller buttons, adjust the data in order to minimize the flicker. • Make the same adjustment for BC (B) and GC (G). • See if the image is equally adjusted at the center and both sides of the screen. If not, readjust the setting to have the image equal at right and left.
13	**RGB gradation regeneration adjustment**	1. Feed the green-only SMPTE pattern signal.(XGA) Group : OUTPUT 1 Subject : G1-GAIN	• Adjust the G-GAIN data until the gradation of the portion ① (95% and 100% white) shown below can be slightly recognized. Make sure also that the gradation of the portion ② (0% and 5% black) is visible. 
14	**RGB white balance**	1. Feed the 32-step gray scale signal (XGA 60Hz). Group : OUTPUT 1 Subject : R1-BLK (R) R1-GAIN(R) B1-BLK (B) B1-GAIN(B)	• Adjust the R1-BLK and B1-BLK data for the black balance on the gray scale. Then adjust the R1-GAIN and B1-GAIN data for the center-to-white balance on the gray scale. (Adjust to the best point.)
15	**Horizontal center**	1. Feed the NTSC mono-scope pattern signal. 2. Group : VIDEO 2 Subject : N358-DLY (0) N443-DLY (0) PAL-DLY (0) SECAM-DLY (0) Make sure the settings are as above. 3. Group : VIDEO 1 Subject : NTSC-H	• Using the control switches or the remote controller buttons, adjust the data to have the same overscan.

No.	Adjusting point	Adjusting conditions	Adjusting procedure
16	**Video picture adjustment**	1. Feed the split colour bar signal. Group : VIDEO 1 Subject : PICTURE 2. Connect the oscilloscope between pin (1) of P801 and GND.	• Using the control switches or the remote controller buttons, adjust the black-to-white (100%) level difference to 2.1 ±0.02 Vp-p. 
17	**Video AGC**	1. Feed the split colour bar signal. Group : VIDEO 1 Subject : AGC 2. Connect the oscilloscope between pin (1) of P801 and GND.	• Using the control switches or the remote controller buttons, adjust the black-to-white (100%) level difference to 1.55 ±0.02 Vp-p. 
18	**Video brightness adjustment**	1. Feed the baseband (split colour bar) signal. Group : VIDEO 1 Subject : BRIGHT 2. Press the control switch or the remote control's mute button (to set the gamma correction to the process setting).	• Using the control switches or the remote controller buttons, adjust the setting until the black signal becomes bit-less and set to -2 point of value.
19	**Tint**	1. Feed the split colour bar signal. Group : VIDEO 1 Subject : TINT 2. Connect the oscilloscope to pin (4) of P801.	• Using the control switches or the remote controller buttons, adjust the data to have the -(B-Y) waveform downhill straight. 
20	**NTSC colour saturation level**	1. Feed the split colour bar signal. Group : VIDEO 1 Subject : N-COLOR 2. Connect the oscilloscope to pin (1) of P801.	• Using the control switches or the remote controller buttons, adjust the difference between the 100% white portion and the red portion to 0.20 ±0.02 Vp-p. (same as 100% white) 

No.	Adjusting point	Adjusting conditions	Adjusting procedure
21	**PAL colour saturation level**	1. Feed the PAL colour bar signal. Group : VIDEO 1 Subject : P-COLOR 2. Connect the oscilloscope to pin (1) of P801.	• Using the control switches or the remote controller buttons, adjust the difference between the 100% white portion and the red portion to 0.36 ±0.02 Vp-p. 
22	**SECAM colour saturation level**	1. Feed the SECAM colour bar signal. Group : VIDEO 1 Subject : S-COLOR 2. Connect the oscilloscope to pin (1) of P801.	• Using the control switches or the remote controller buttons, adjust the data to have a level difference of 0.50 ±0.02 Vp-p between the 100% white portion and the red portion. 
23	**Video white balance**	1. Feed the NTSC mono-scope pattern signal Group : VIDEO 2 Subject : R1-GAIN B1-GAIN	• Using the control switches or the remote controller buttons, adjust so that the entire screen looks evenly colourless.
24	**DVD Contrast**	1. Feed the colour bar signal of the 480I component signal to the BNC G(Y) input terminal. 2. Select the following subject. Group : DVD Subject : CONTRAST 3. Connect the oscilloscope to pin (1) of P803.	• Using the control switch or the button on the remote controller, adjust the amplitude between the black and 100% white to 2.2 ±0.02 Vp-p. 
25	**DVD Tint**	1. Feed the colour bar signal of the 480I component signal to the BNC Y, Pb and Pr input terminals. Feed the sync signal only for the Y signal. 2. Select the following subject. Group : DVD Subject : TINT 3. Connect the oscilloscope to pin (2) of P803.	• Using the control switch or the button on the remote controller, adjust the B-Y waveform to form a straight slope. 

No.	Adjusting point	Adjusting conditions	Adjusting procedure
26	**DVD Colour**	1. Feed the colour bar signal of the 480I component signal to the BNC G(Y) input terminal. 2. Select the following subject. Group : DVD Subject : COLOR 3. Connect the oscilloscope to pin (1) of P803.	• Adjust the level difference between the 100% white and red portions to 0.15 ±0.02 Vp-p. 
27	**Colour irregularity correction position**	1. Feed the gray-only RGB color signal. (XGA 60Hz) 2. Find the colour irregularity position on the screen. 3. Group : NOKO Subject : NOKO-RL	• If the colour is irregular, adjust the NOKO-RL data. Set it to R for the right-hand colour irregularity and to L for the left-hand one. • If there is no colour irregularity, turn off the saw-tooth correction using SW4201.
28	**Colour irregularity correction gain (in case of colourirregularity)**	1. Feed the gray-only RGB colour signal. (XGA 60Hz)	• Adjust R4215 to minimize the right-hand and left-hand colour irregularity.
29	**Colour system performance check**	1. Receive the colour bar signal.	• In the process mode and select L1. Check the colour and tint.
30	**Video system performance check**	1. Receive the monoscope pattern signal.	• In the process mode and select L2. Check the picture, brightness and sharpness.
31	**Audio system performance check**		• In the process mode nad select L3. Check the bass, treble and balance.
32	**RGB performance check**	1. Receive the RGB signal.	• In the process mode and select L4. Check the picture, brightness, red, blue, clock, phase, horizontal position, and vertical position.
33	**Off-timer performance check**		• In the process mode and select OFF. Make sure that the off-timer starts with "5" (minutes), counts down each minute in 1 second, and turns off the set at "0".

<table>
<tr><th>No.</th><th>Adjusting point</th><th>Adjusting conditions</th><th>Adjusting procedure</th></tr>
<tr><td>34</td><td>Thermistor performance check</td><td>1. Heat the thermistor using a dryer.</td><td>• Make sure the "TEMP" is displayed.</td></tr>
<tr><td>35</td><td>Automatic synchronization</td><td>1. Receive the PHASE check pattern signal.</td><td>• Call the VGA/S-VGA/XGA/SXGA/UXGA mode and make sure that the clock, phase, horizontal and vertical positions can be automatically adjusted.</td></tr>
<tr><td>36</td><td>IrDA performance check</td><td></td><td>• Make sure the IrDA signal can be received.</td></tr>
<tr><td>37</td><td>Keystone correction performance check</td><td></td><td>• Make sure the keystone correction functions well.</td></tr>
<tr><td>38</td><td>Factory settings</td><td></td><td>• Make the following settings.
<table>
<tr><th>Process adjustment</th><th>Remote controller setting</th></tr>
<tr><td>S4</td><td>"Factory setting 4"</td></tr>
</table>
</td></tr>
</table>

ADJUSTING THE PC INTERFACE (CPCi-0035CE02. PC I/F Unit)

1. Setting the oscilloscope

Set the range to DC 1 V/div and 5μ/div.

2. Connecting the PC Interface

1) Fit the PC I/F in position and make sure the CON2, CON3 and CON4 connectors are all tight in place.
2) Connect the cable between the ANALOG OUTPUT (PC computer) and the DSUB connector (INPUT1 of the proejctor).
3) Set the projector's input selector to the INPUT1 position. Make sure the Dsub/BNC selector is at the Dsub position.
4) Set the PC computer in the XGA mode (1024 x 768, 60 Hz, 32-step scale). Adjust the output amplitude to 700 mVp-p (terminated with 75 ohms) for the black-to-white portions.
5) Turn on the power.

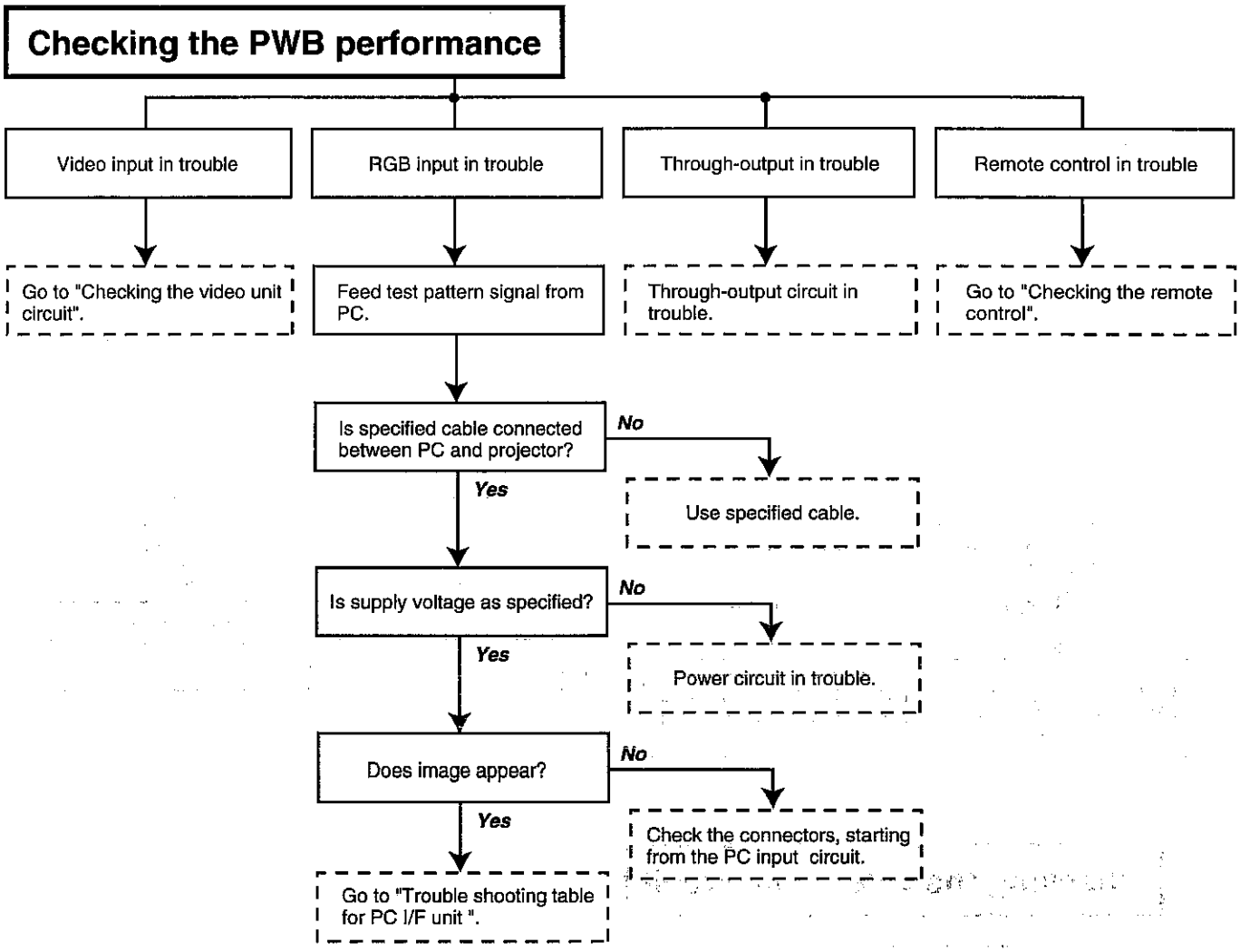
3. Adjusting and checking the level

1) Press the S5001 switch to go to the process mode.
2) Set the SH-PHASE on the OUTPUT3 menu to 8. (Make the characters on screen clear and crisp.)
3) Connect the oscilloscope to TP2 and adjust the M-BRIGHT data of OUPUT2 so that the signal's black level be 1.9 V.
4) Adjust the R-BRIGHT data of A/D so that the black level of the signal at TP1 be 1.9 V.
5) Adjust the B-BRIGHT data of A/D so that the black level of the signal at TP2 be 1.9 V.
6) Make sure the GAIN data on the A/D menu is 155.

4. Adjusting the DTV

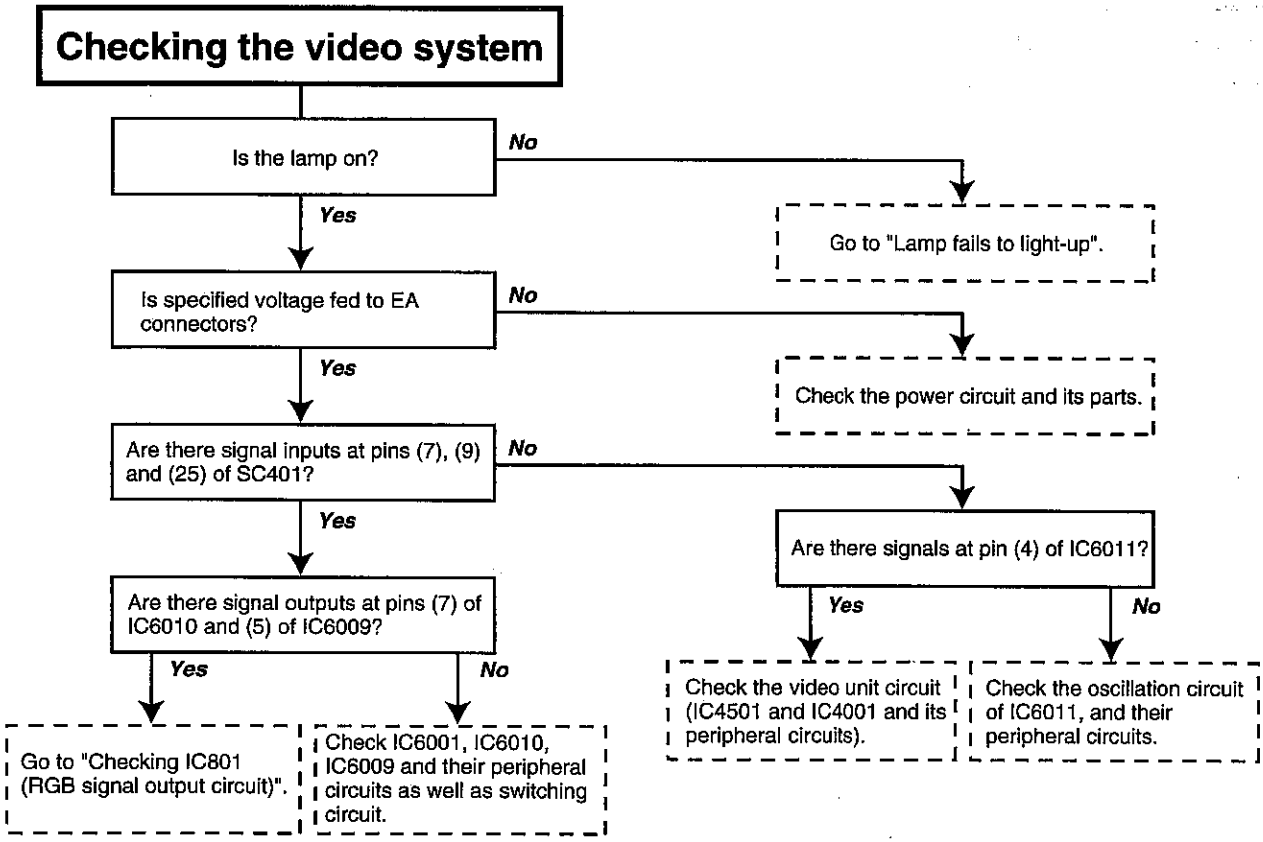
1) Set the switch to the BNC input terminal of INPUT1
2) Select the signal type of the user menu option for the component.
3) Feed the Y signal of 480P to the G(Y) input terminal. Keep the R(Pr) and B(Pb) signals off.
4) Connect the voltmeter to TP1, and adjust the DTV's B-BRIGHT data to 2.65±0.02 V.
5) Connect the voltmeter to TP3, and adjust the DTV's R-BRIGHT data to 2.65±0.02 V.
6) Finally press the S5001 switch again to quit the process mode.

TROUBLE SHOOTING TABLE

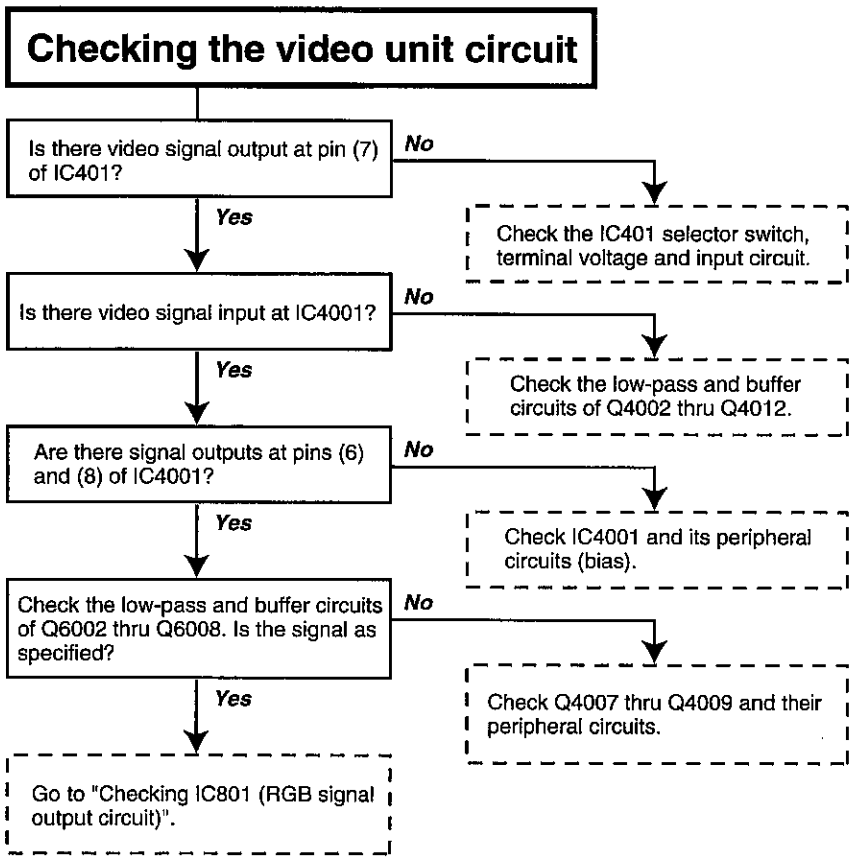

Checking the PWB performance
Video input in trouble
RGB input in trouble
Through-output in trouble
Remote control in trouble
Go to "Checking the video unit circuit".
Feed test pattern signal from PC.
Through-output circuit in trouble.
Go to "Checking the remote control".
Is specified cable connected between PC and projector?
No
Use specified cable.
Yes
Is supply voltage as specified?
No
Power circuit in trouble.
Yes
Does image appear?
No
Check the connectors, starting from the PC input circuit.
Yes
Go to "Trouble shooting table for PC I/F unit ".

TROUBLE SHOOTING TABLE (Continued)

Checking the video system

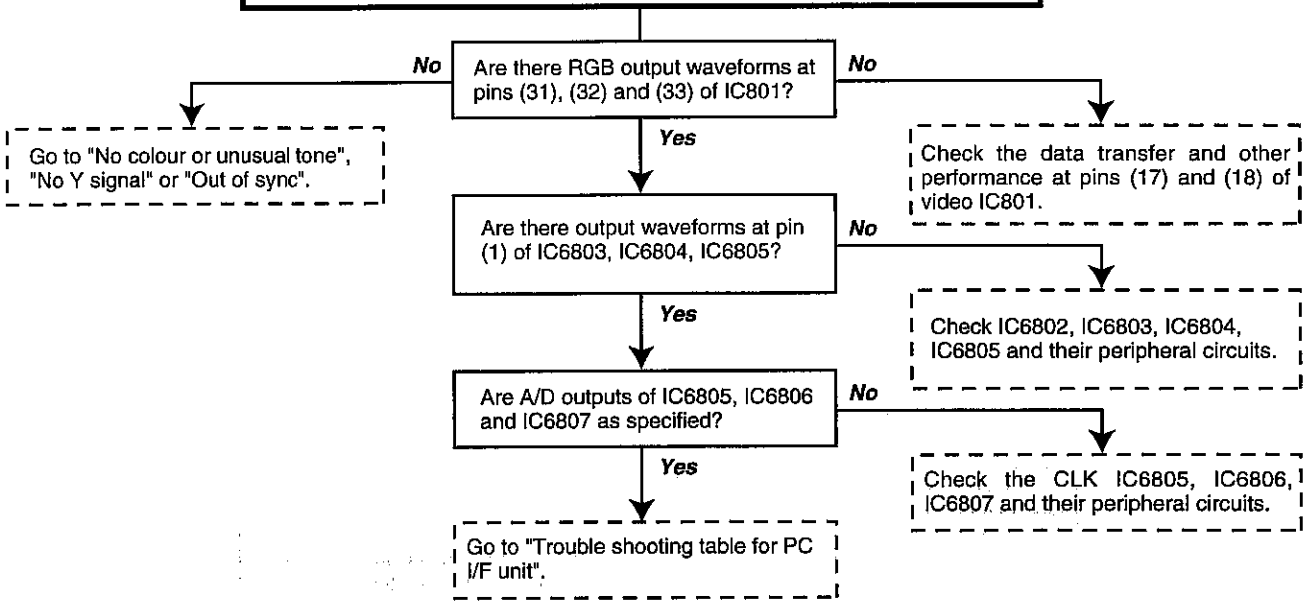

Is the lamp on?
No
Yes
Go to "Lamp fails to light-up".
Is specified voltage fed to EA connectors?
No
Yes
Check the power circuit and its parts.
Are there signal inputs at pins (7), (9) and (25) of SC401?
No
Yes
Are there signals at pin (4) of IC6011?
Yes
No
Are there signal outputs at pins (7) of IC6010 and (5) of IC6009?
Yes
No
Check the video unit circuit (IC4501 and IC4001 and its peripheral circuits).
Check the oscillation circuit of IC6011, and their peripheral circuits.
Go to "Checking IC801 (RGB signal output circuit)".
Check IC6001, IC6010, IC6009 and their peripheral circuits as well as switching circuit.

Checking the video unit circuit

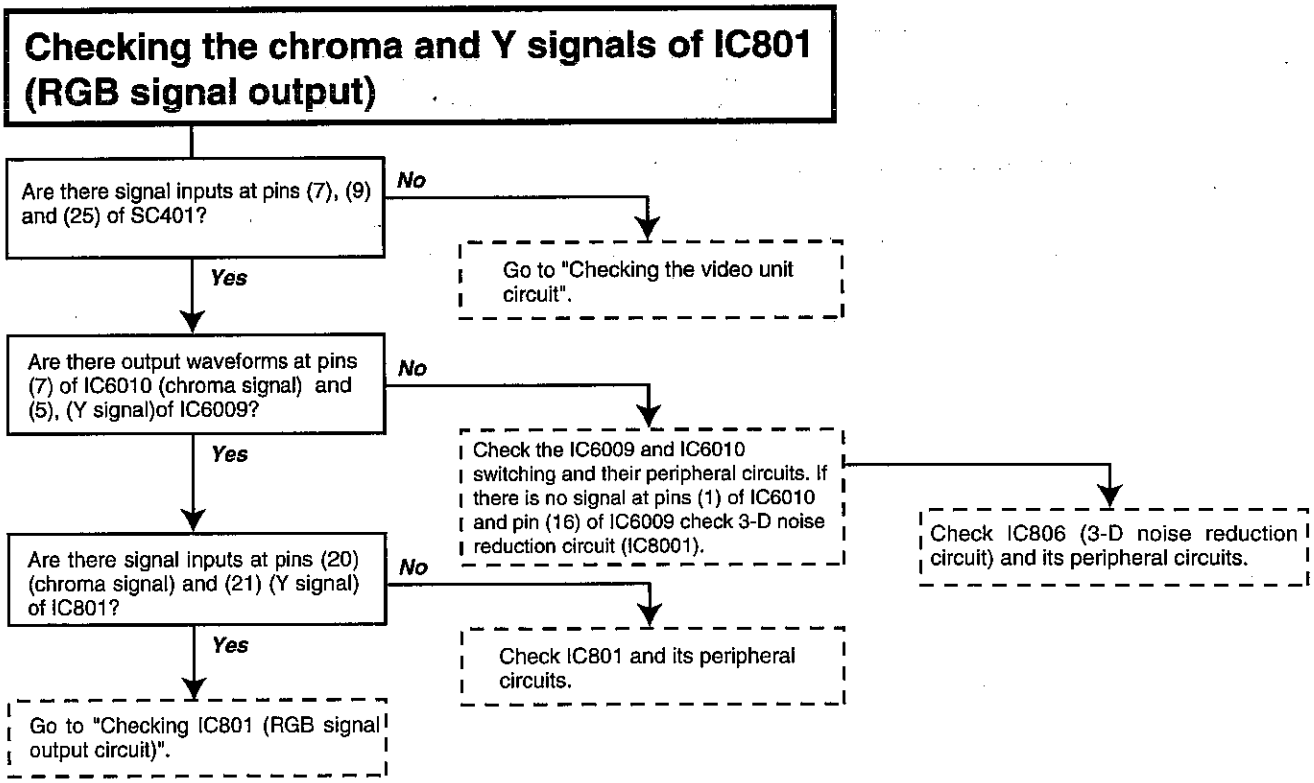

Is there video signal output at pin (7) of IC401?
No
Yes
Check the IC401 selector switch, terminal voltage and input circuit.
Is there video signal input at IC4001?
No
Yes
Check the low-pass and buffer circuits of Q4002 thru Q4012.
Are there signal outputs at pins (6) and (8) of IC4001?
No
Yes
Check IC4001 and its peripheral circuits (bias).
Check the low-pass and buffer circuits of Q6002 thru Q6008. Is the signal as specified?
No
Yes
Check Q4007 thru Q4009 and their peripheral circuits.
Go to "Checking IC801 (RGB signal output circuit)".

TROUBLE SHOOTING TABLE (Continued)

Checking IC801 (RGB signal output circuit)

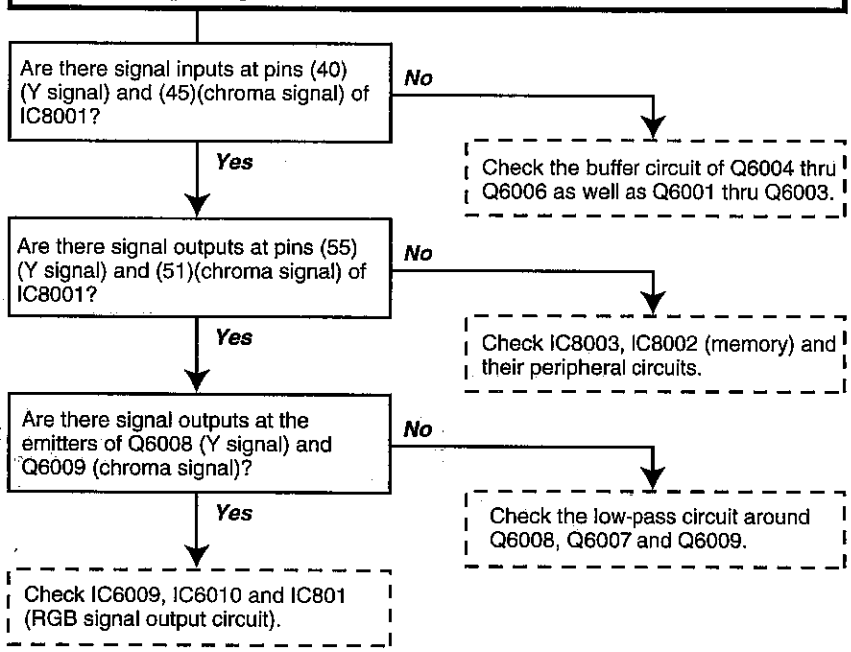

Are there RGB output waveforms at pins (31), (32) and (33) of IC801?
No
Go to "No colour or unusual tone", "No Y signal" or "Out of sync".
No
Check the data transfer and other performance at pins (17) and (18) of video IC801.
Yes
Are there output waveforms at pin (1) of IC6803, IC6804, IC6805?
No
Check IC6802, IC6803, IC6804, IC6805 and their peripheral circuits.
Yes
Are A/D outputs of IC6805, IC6806 and IC6807 as specified?
No
Check the CLK IC6805, IC6806, IC6807 and their peripheral circuits.
Yes
Go to "Trouble shooting table for PC I/F unit".

Checking the chroma and Y signals of IC801 (RGB signal output)

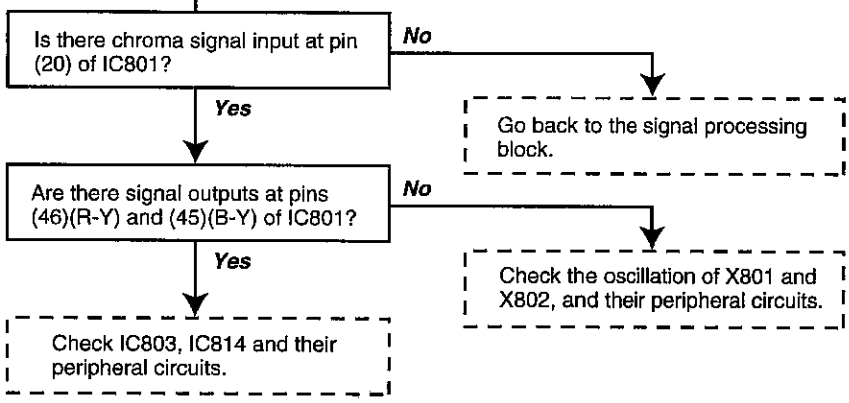

Are there signal inputs at pins (7), (9) and (25) of SC401?
No
Go to "Checking the video unit circuit".
Yes
Are there output waveforms at pins (7) of IC6010 (chroma signal) and (5), (Y signal)of IC6009?
No
Check the IC6009 and IC6010 switching and their peripheral circuits. If there is no signal at pins (1) of IC6010 and pin (16) of IC6009 check 3-D noise reduction circuit (IC8001).
Check IC806 (3-D noise reduction circuit) and its peripheral circuits.
Yes
Are there signal inputs at pins (20) (chroma signal) and (21) (Y signal) of IC801?
No
Check IC801 and its peripheral circuits.
Yes
Go to "Checking IC801 (RGB signal output circuit)".

TROUBLE SHOOTING TABLE (Continued)

Checking IC806 (3-D noise reduction circuit) and its peripheral circuits

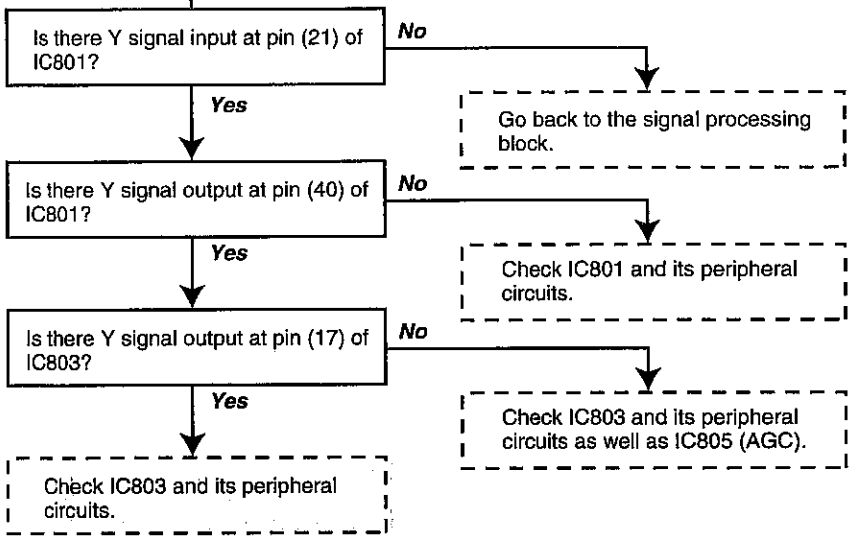

Are there signal inputs at pins (40) (Y signal) and (45)(chroma signal) of IC8001?
No
Check the buffer circuit of Q6004 thru Q6006 as well as Q6001 thru Q6003.
Yes
Are there signal outputs at pins (55) (Y signal) and (51)(chroma signal) of IC8001?
No
Check IC8003, IC8002 (memory) and their peripheral circuits.
Yes
Are there signal outputs at the emitters of Q6008 (Y signal) and Q6009 (chroma signal)?
No
Check the low-pass circuit around Q6008, Q6007 and Q6009.
Yes
Check IC6009, IC6010 and IC801 (RGB signal output circuit).

No colour or unusual tone (NTSC, PAL)

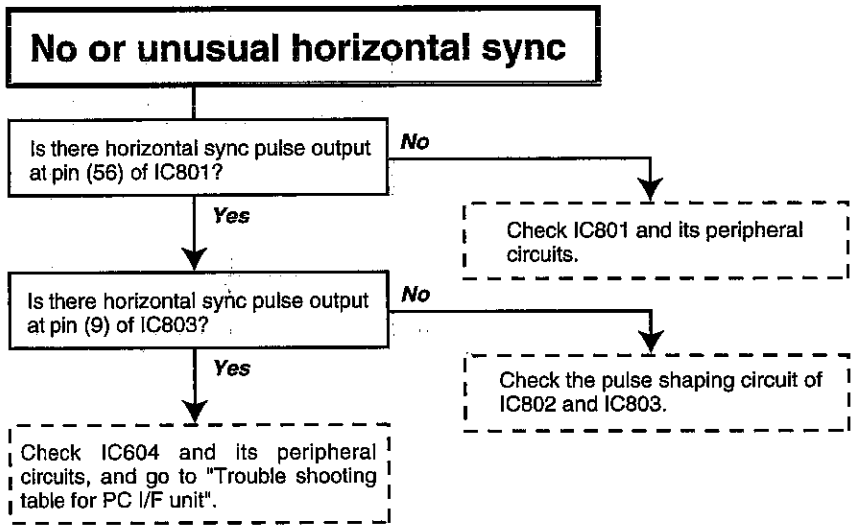

Is there chroma signal input at pin (20) of IC801?
No
Go back to the signal processing block.
Yes
Are there signal outputs at pins (46)(R-Y) and (45)(B-Y) of IC801?
No
Check the oscillation of X801 and X802, and their peripheral circuits.
Yes
Check IC803, IC814 and their peripheral circuits.

TROUBLE SHOOTING TABLE (Continued)

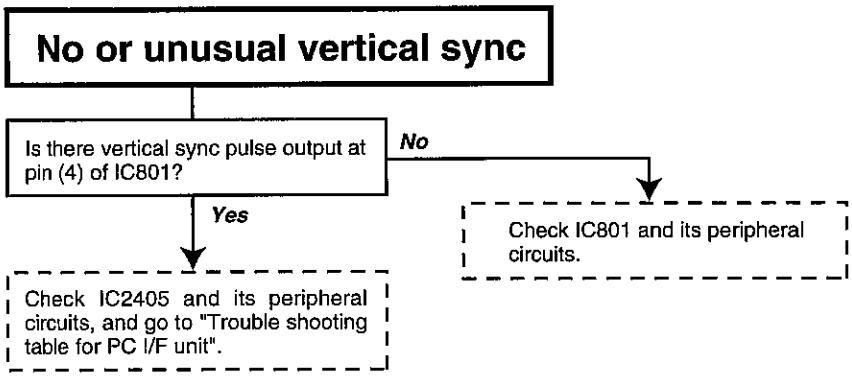
No or unusual Y signal


Is there Y signal input at pin (21) of IC801?
No
Go back to the signal processing block.
Yes
Is there Y signal output at pin (40) of IC801?
No
Check IC801 and its peripheral circuits.
Yes
Is there Y signal output at pin (17) of IC803?
No
Check IC803 and its peripheral circuits as well as IC805 (AGC).
Yes
Check IC803 and its peripheral circuits.

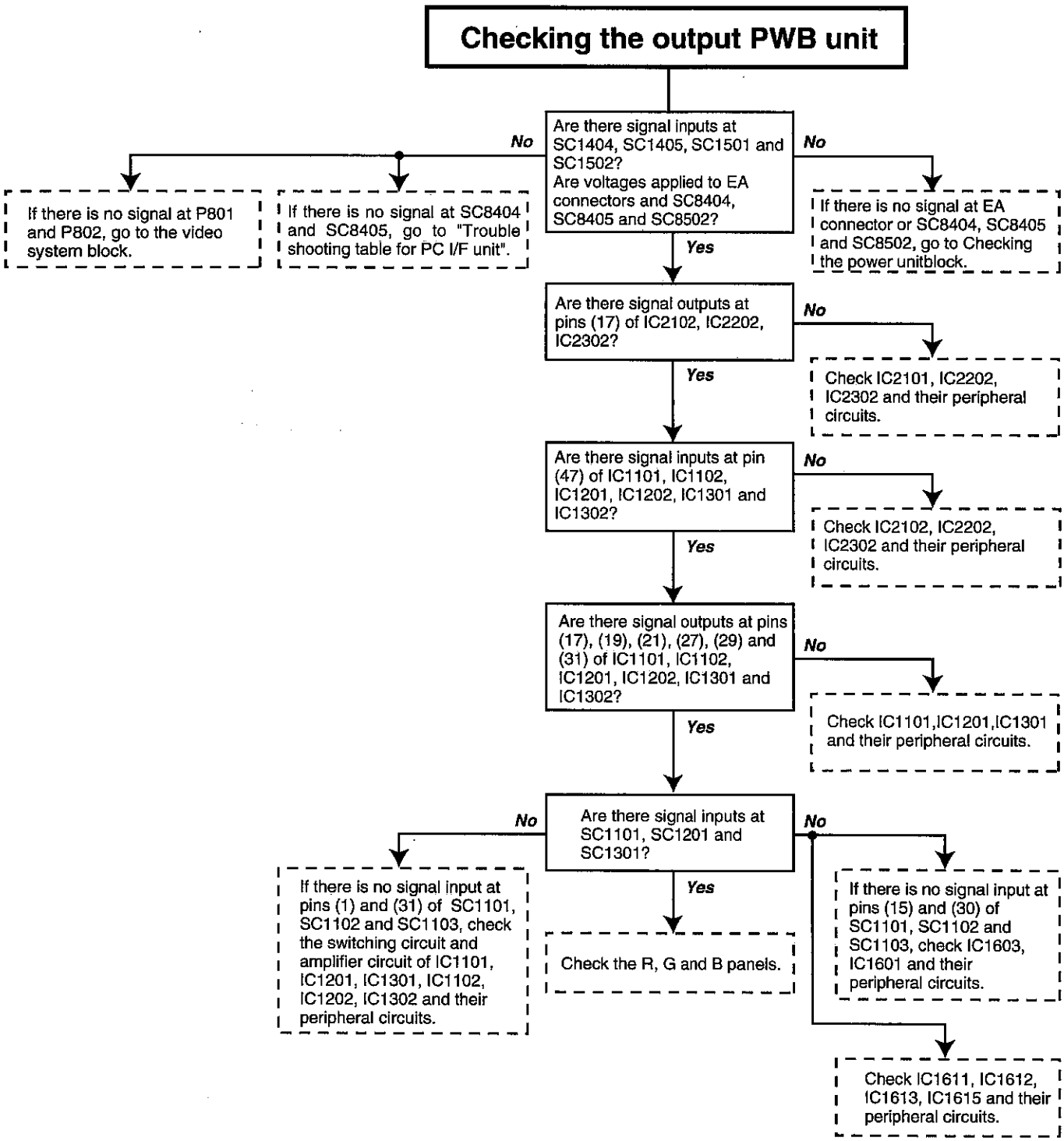
No or unusual horizontal sync


Is there horizontal sync pulse output at pin (56) of IC801?
No
Check IC801 and its peripheral circuits.
Yes
Is there horizontal sync pulse output at pin (9) of IC803?
No
Check the pulse shaping circuit of IC802 and IC803.
Yes
Check IC604 and its peripheral circuits, and go to "Trouble shooting table for PC I/F unit".

No or unusual vertical sync

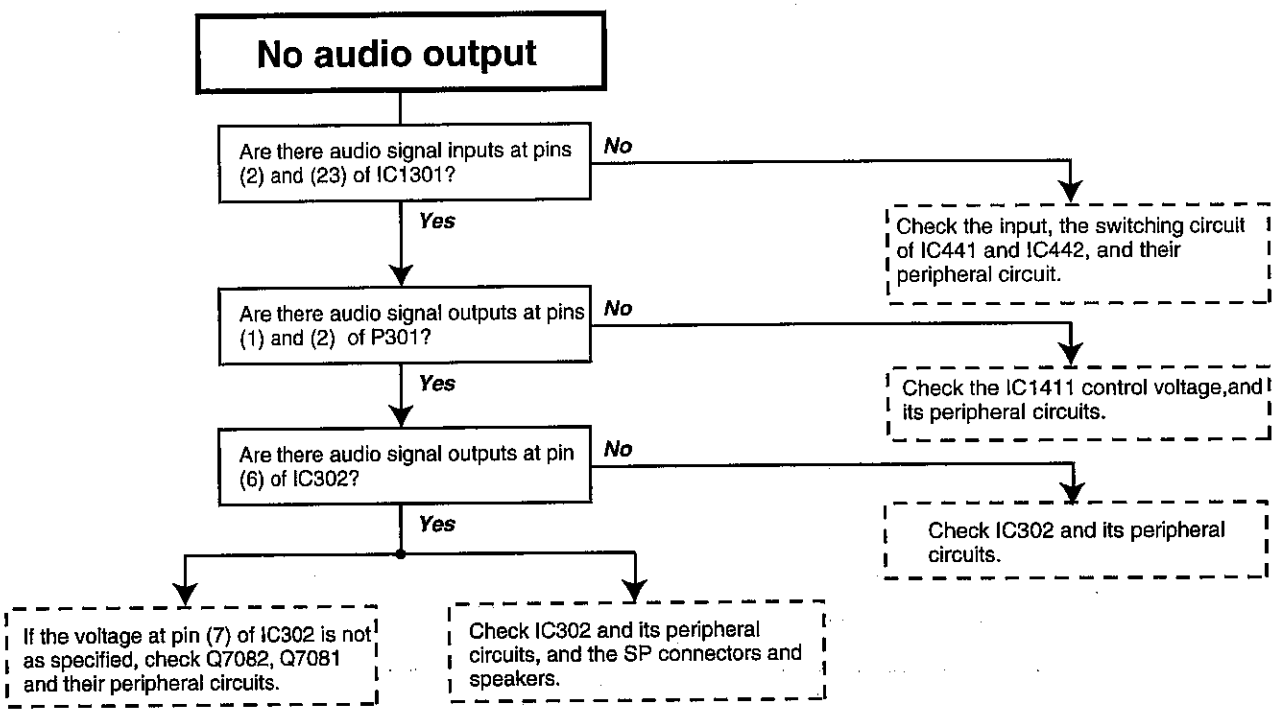

Is there vertical sync pulse output at pin (4) of IC801?
No
Check IC801 and its peripheral circuits.
Yes
Check IC2405 and its peripheral circuits, and go to "Trouble shooting table for PC I/F unit".

TROUBLE SHOOTING TABLE (Continued)

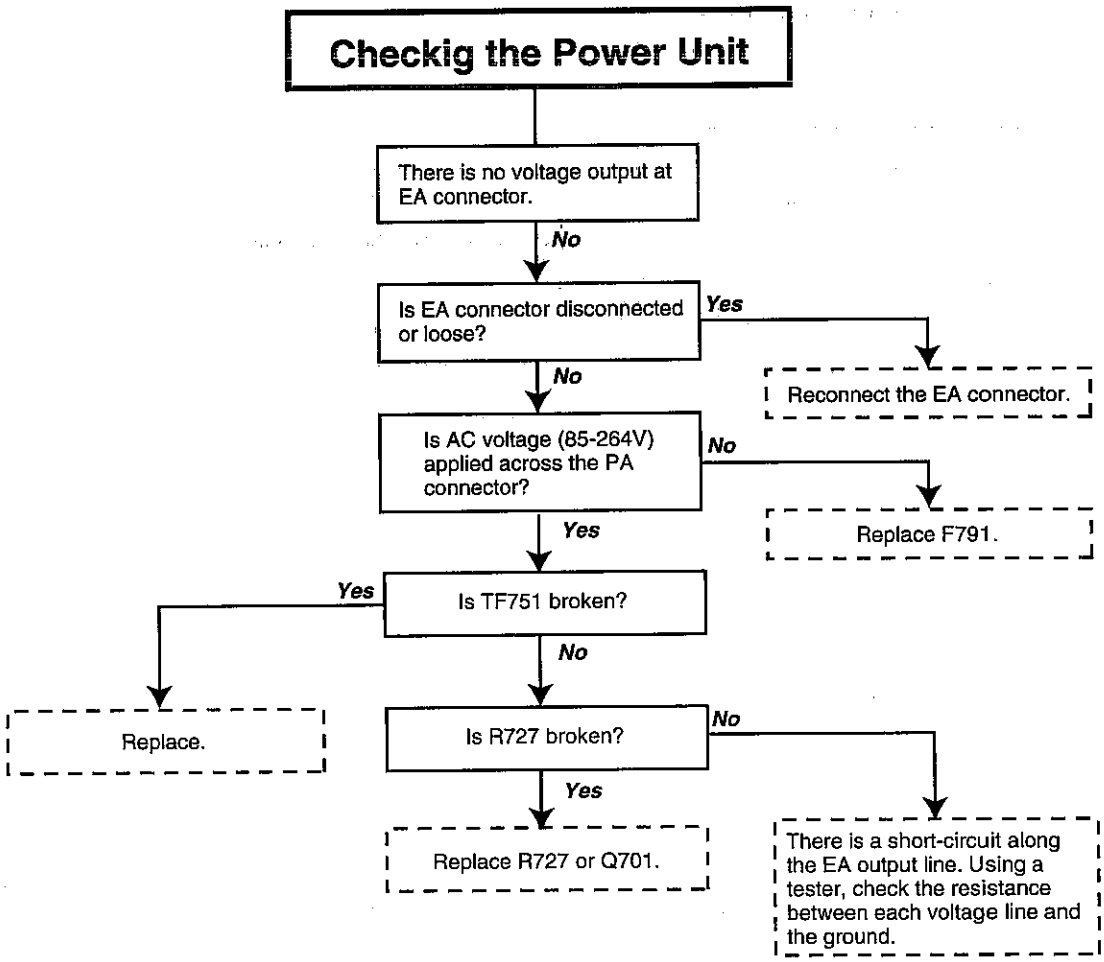

Checking the output PWB unit
Are there signal inputs at SC1404, SC1405, SC1501 and SC1502?
Are voltages applied to EA connectors and SC8404, SC8405 and SC8502?
No
No
Yes
If there is no signal at P801 and P802, go to the video system block.
If there is no signal at SC8404 and SC8405, go to "Trouble shooting table for PC I/F unit".
If there is no signal at EA connector or SC8404, SC8405 and SC8502, go to Checking the power unitblock.
Are there signal outputs at pins (17) of IC2102, IC2202, IC2302?
No
Yes
Check IC2101, IC2202, IC2302 and their peripheral circuits.
Are there signal inputs at pin (47) of IC1101, IC1102, IC1201, IC1202, IC1301 and IC1302?
No
Yes
Check IC2102, IC2202, IC2302 and their peripheral circuits.
Are there signal outputs at pins (17), (19), (21), (27), (29) and (31) of IC1101, IC1102, IC1201, IC1202, IC1301 and IC1302?
No
Yes
Check IC1101,IC1201,IC1301 and their peripheral circuits.
Are there signal inputs at SC1101, SC1201 and SC1301?
No
No
Yes
If there is no signal input at pins (1) and (31) of SC1101, SC1102 and SC1103, check the switching circuit and amplifier circuit of IC1101, IC1201, IC1301, IC1102, IC1202, IC1302 and their peripheral circuits.
Check the R, G and B panels.
If there is no signal input at pins (15) and (30) of SC1101, SC1102 and SC1103, check IC1603, IC1601 and their peripheral circuits.
Check IC1611, IC1612, IC1613, IC1615 and their peripheral circuits.

TROUBLE SHOOTING TABLE (Continued)

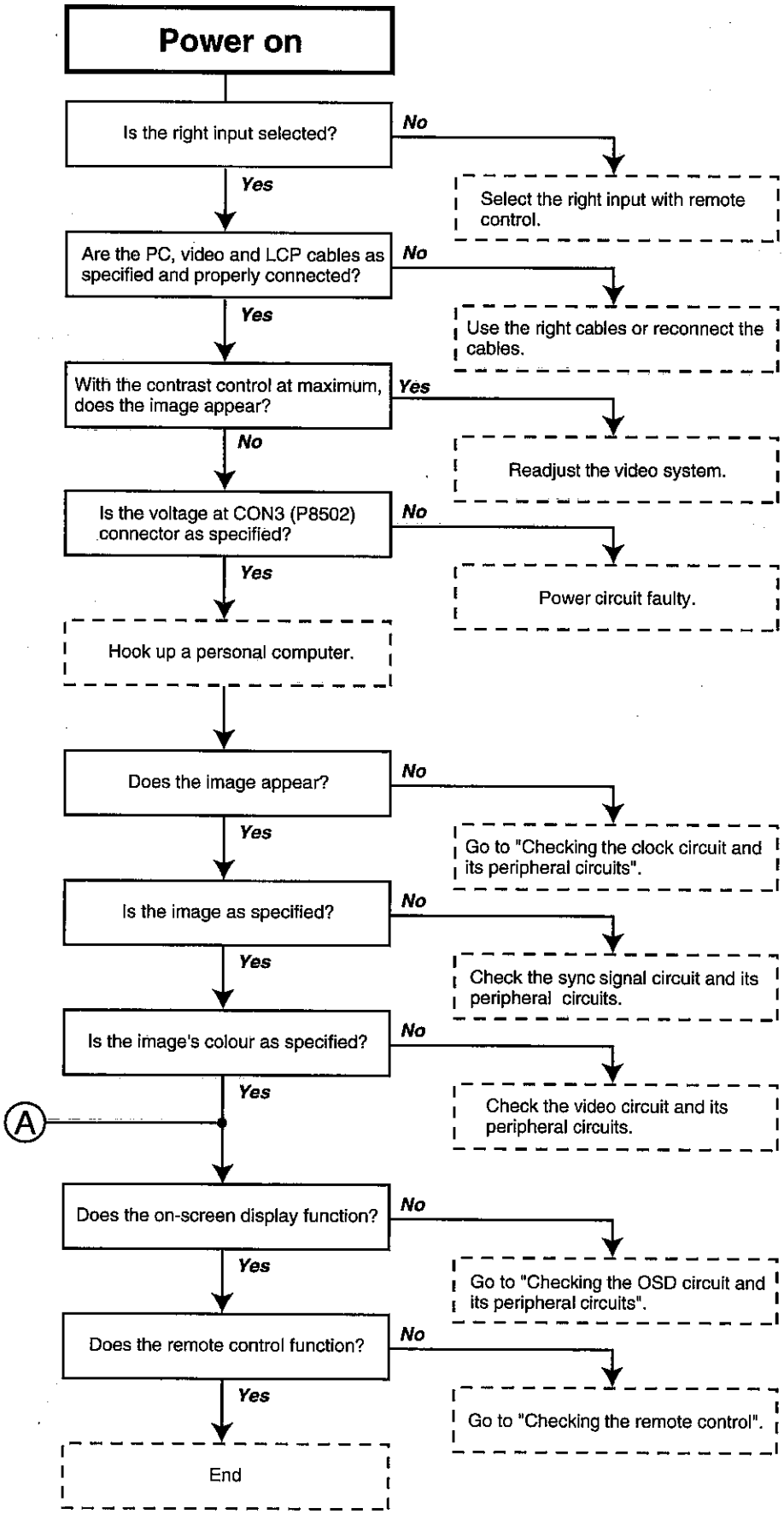
No audio output


Are there audio signal inputs at pins (2) and (23) of IC1301?
No
Check the input, the switching circuit of IC441 and IC442, and their peripheral circuit.
Yes
Are there audio signal outputs at pins (1) and (2) of P301?
No
Check the IC1411 control voltage,and its peripheral circuits.
Yes
Are there audio signal outputs at pin (6) of IC302?
No
Check IC302 and its peripheral circuits.
Yes
If the voltage at pin (7) of IC302 is not as specified, check Q7082, Q7081 and their peripheral circuits.
Check IC302 and its peripheral circuits, and the SP connectors and speakers.

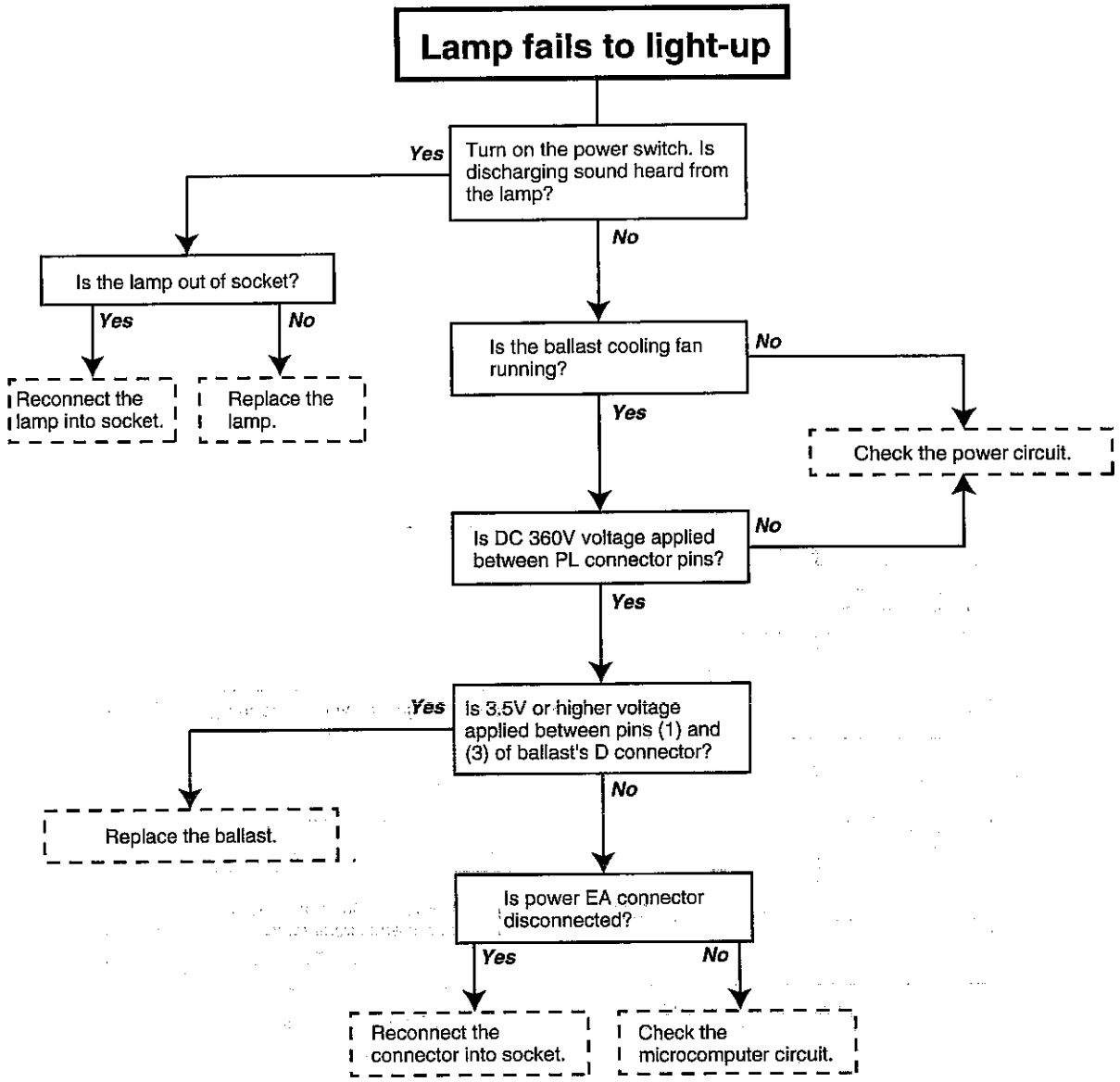
Checkig the Power Unit



TROUBLE SHOOTING TABLE (Continued)

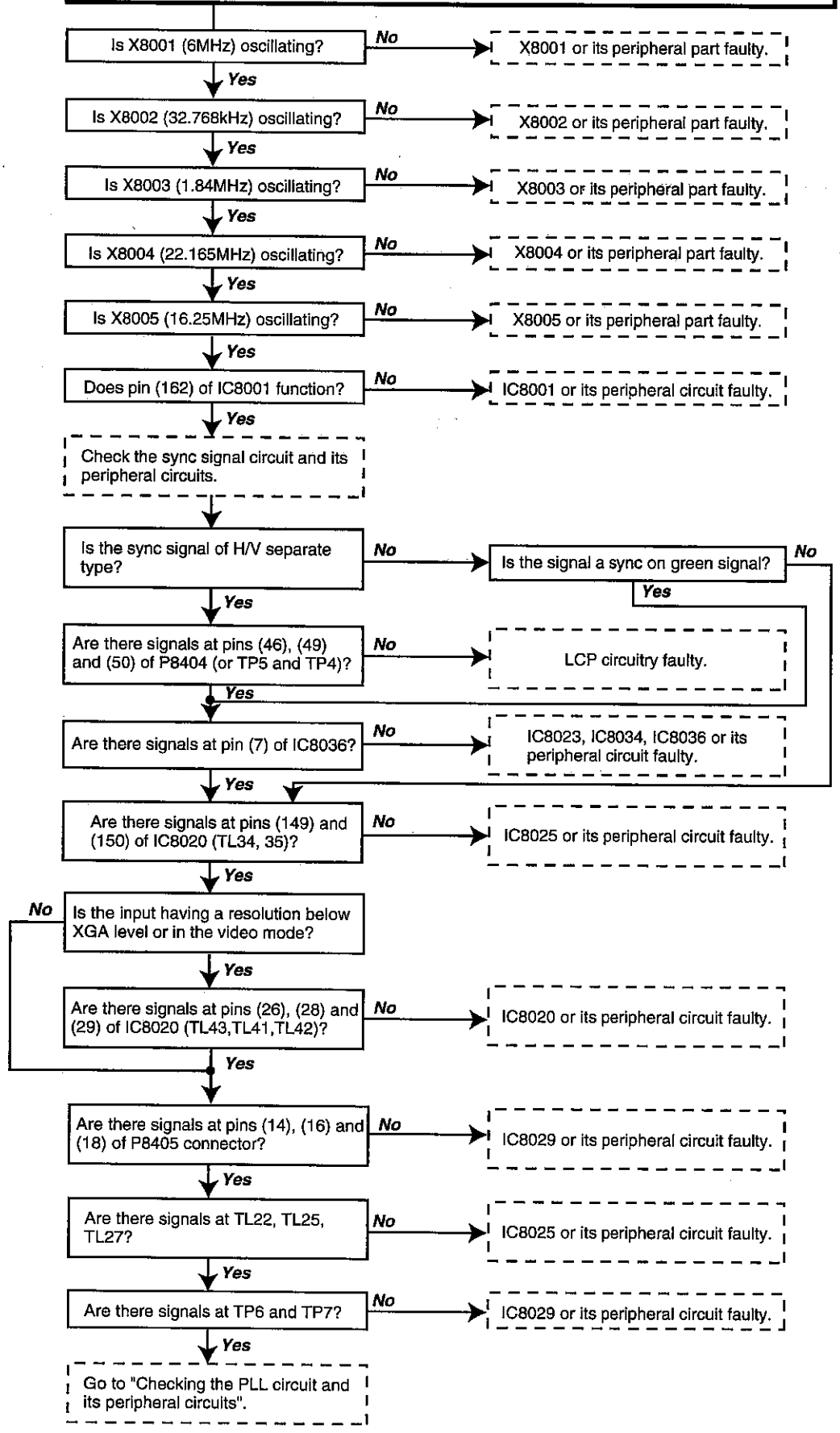


TROUBLE SHOOTING TABLE (Continued)

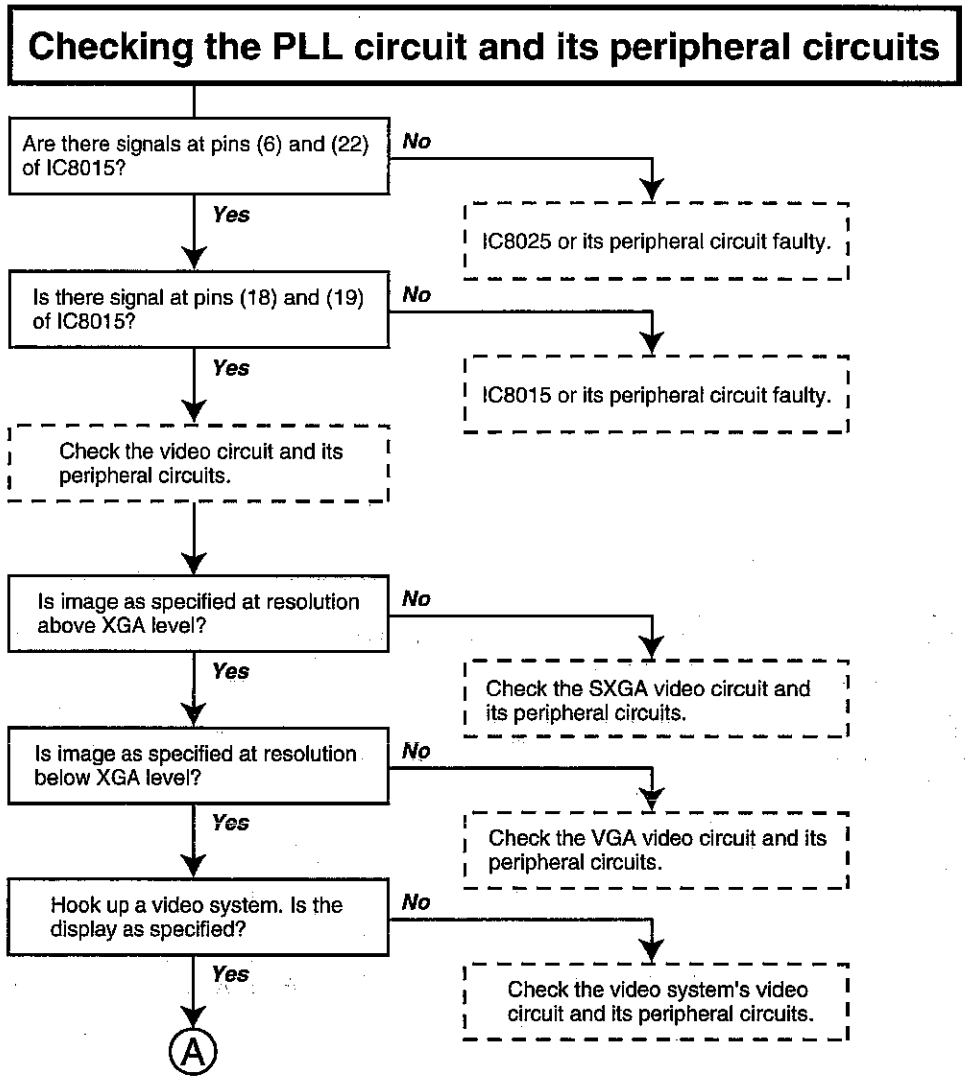


TROUBLE SHOOTING TABLE FOR PC I/F UNIT-1

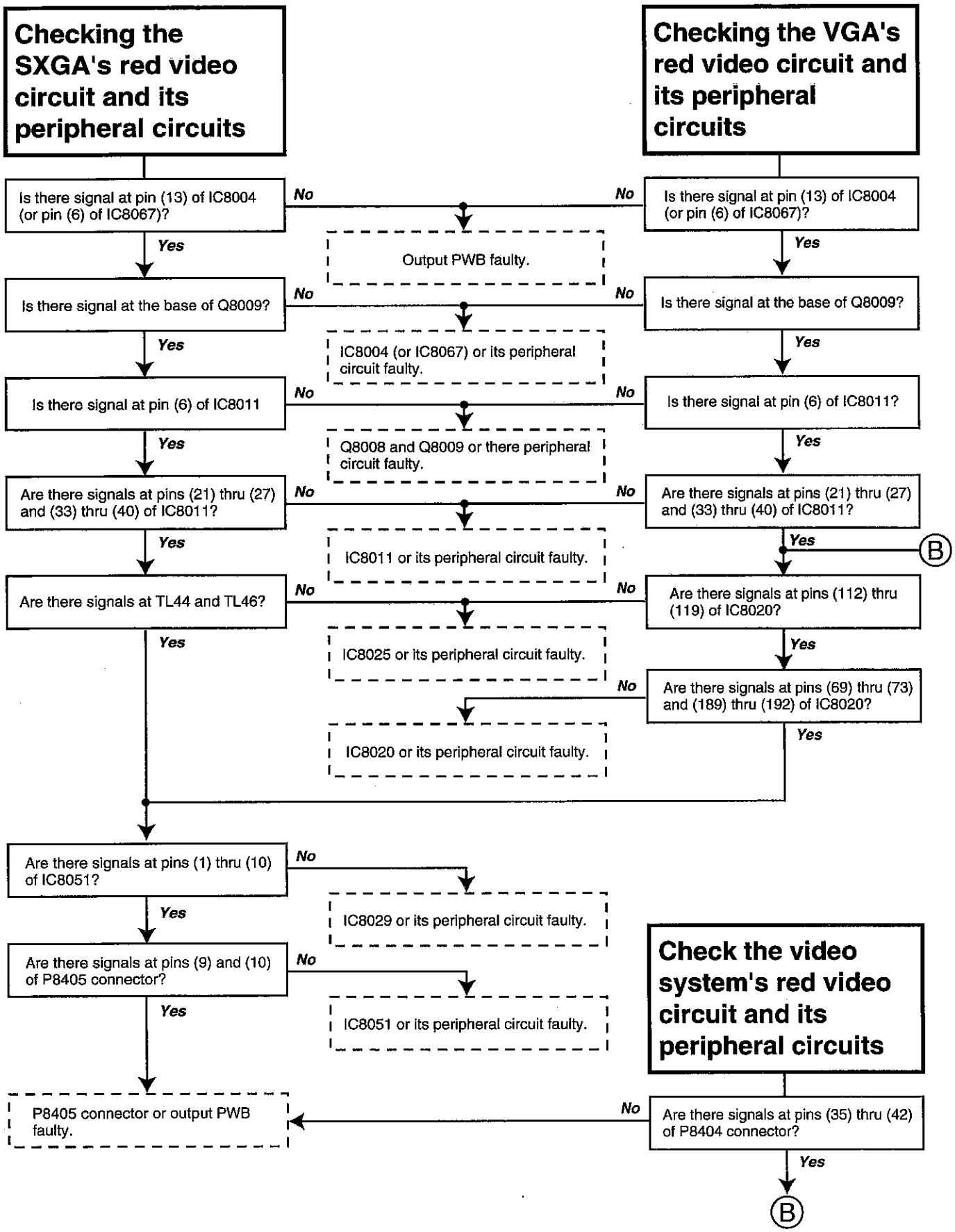
Checking the clock circuit and its peripheral circuits


Is X8001 (6MHz) oscillating?
No
X8001 or its peripheral part faulty.
Yes
Is X8002 (32.768kHz) oscillating?
No
X8002 or its peripheral part faulty.
Yes
Is X8003 (1.84MHz) oscillating?
No
X8003 or its peripheral part faulty.
Yes
Is X8004 (22.165MHz) oscillating?
No
X8004 or its peripheral part faulty.
Yes
Is X8005 (16.25MHz) oscillating?
No
X8005 or its peripheral part faulty.
Yes
Does pin (162) of IC8001 function?
No
IC8001 or its peripheral circuit faulty.
Yes
Check the sync signal circuit and its peripheral circuits.
Is the sync signal of H/V separate type?
No
Is the signal a sync on green signal?
No
Yes
Yes
Are there signals at pins (46), (49) and (50) of P8404 (or TP5 and TP4)?
No
LCP circuitry faulty.
Yes
Are there signals at pin (7) of IC8036?
No
IC8023, IC8034, IC8036 or its peripheral circuit faulty.
Yes
Are there signals at pins (149) and (150) of IC8020 (TL34, 35)?
No
IC8025 or its peripheral circuit faulty.
Yes
No
Is the input having a resolution below XGA level or in the video mode?
Yes
Are there signals at pins (26), (28) and (29) of IC8020 (TL43,TL41,TL42)?
No
IC8020 or its peripheral circuit faulty.
Yes
Are there signals at pins (14), (16) and (18) of P8405 connector?
No
IC8029 or its peripheral circuit faulty.
Yes
Are there signals at TL22, TL25, TL27?
No
IC8025 or its peripheral circuit faulty.
Yes
Are there signals at TP6 and TP7?
No
IC8029 or its peripheral circuit faulty.
Yes
Go to "Checking the PLL circuit and its peripheral circuits".

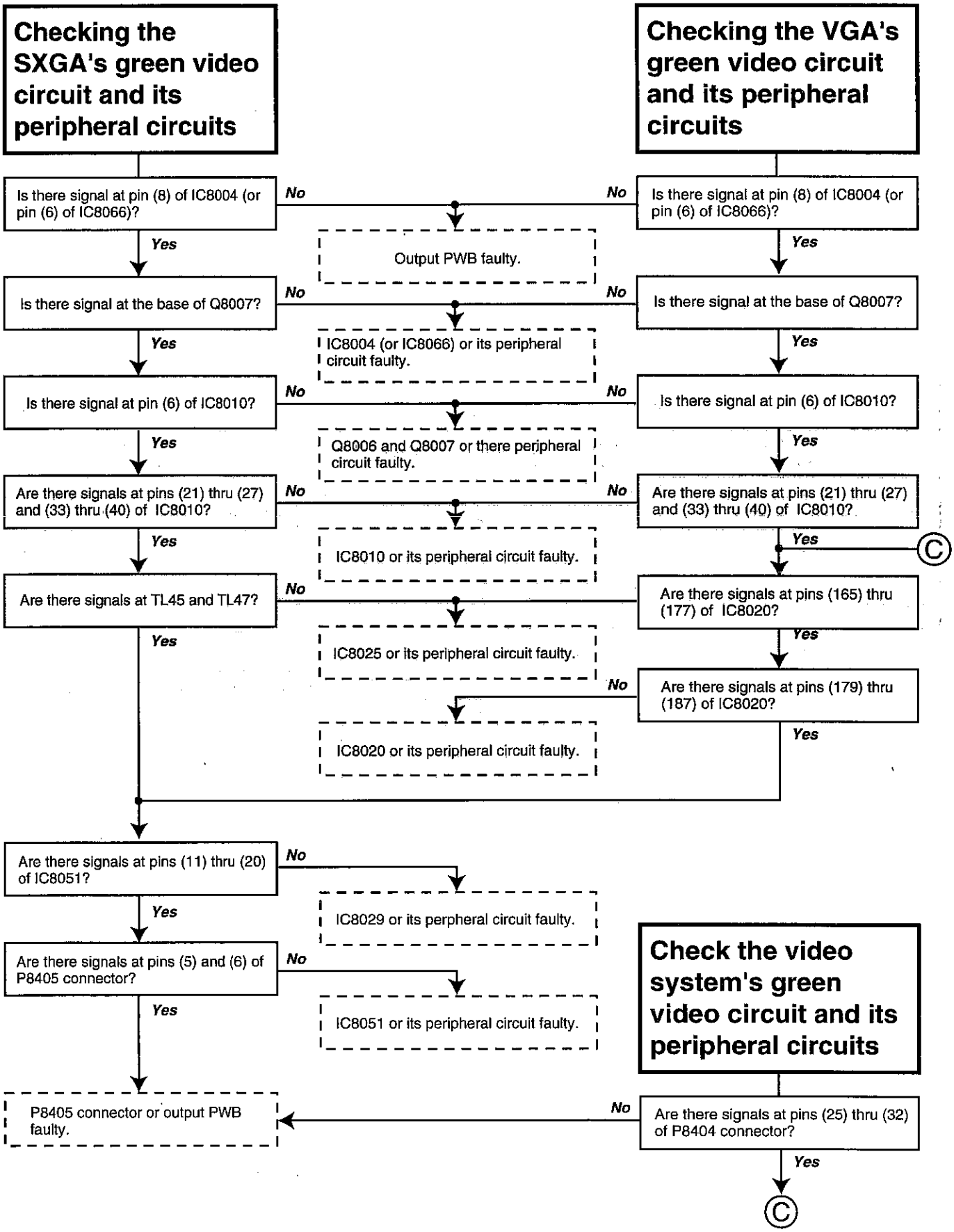
TROUBLE SHOOTING TABLE FOR PC I/F UNIT-2


Checking the PLL circuit and its peripheral circuits
Are there signals at pins (6) and (22) of IC8015?
No
IC8025 or its peripheral circuit faulty.
Yes
Is there signal at pins (18) and (19) of IC8015?
No
IC8015 or its peripheral circuit faulty.
Yes
Check the video circuit and its peripheral circuits.
Is image as specified at resolution above XGA level?
No
Check the SXGA video circuit and its peripheral circuits.
Yes
Is image as specified at resolution below XGA level?
No
Check the VGA video circuit and its peripheral circuits.
Yes
Hook up a video system. Is the display as specified?
No
Check the video system's video circuit and its peripheral circuits.
Yes
A

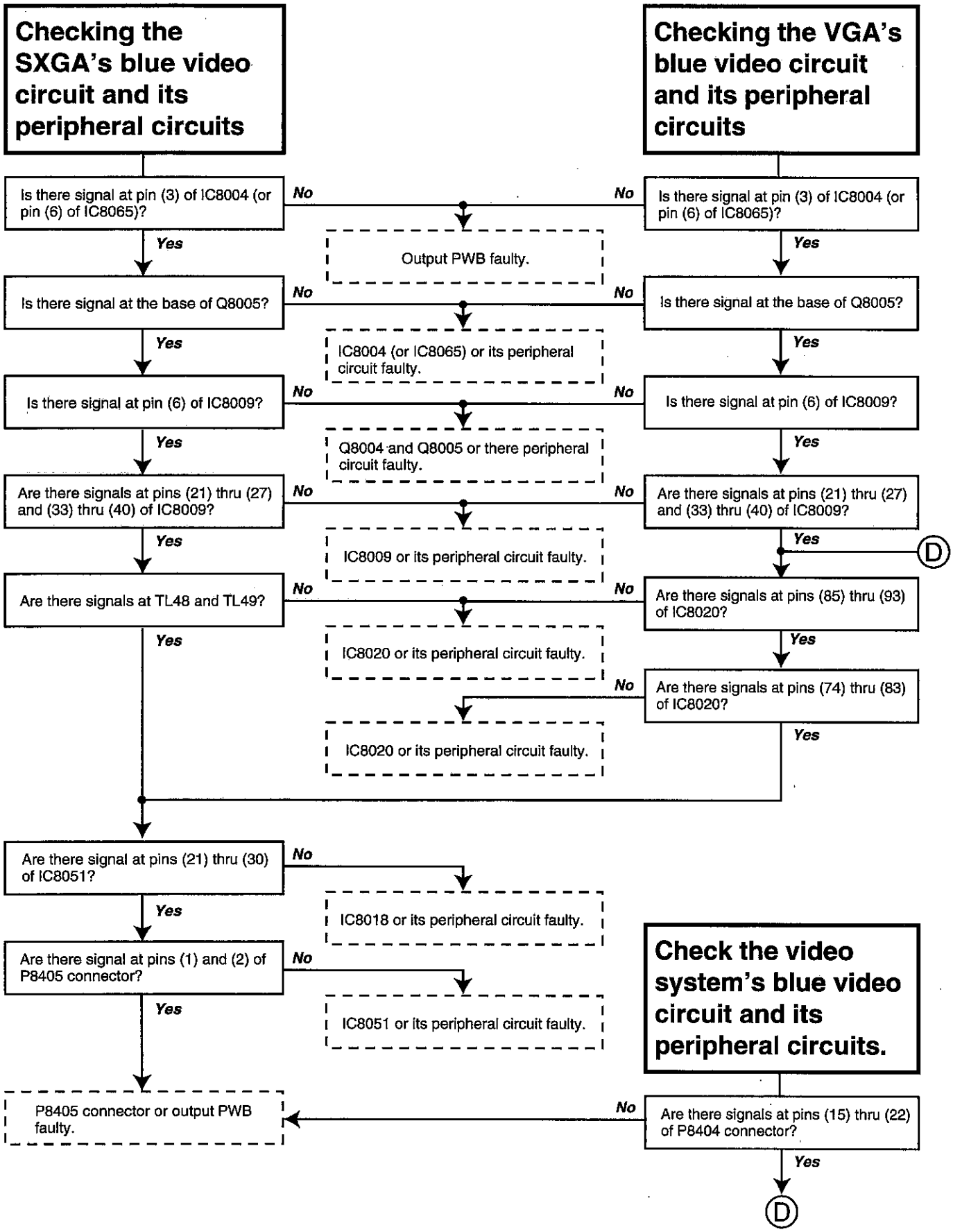
TROUBLE SHOOTING TABLE FOR PC I/F UNIT-3


Checking the SXGA's red video circuit and its peripheral circuits
Checking the VGA's red video circuit and its peripheral circuits
Is there signal at pin (13) of IC8004 (or pin (6) of IC8067)?
No
Yes
Output PWB faulty.
Is there signal at the base of Q8009?
IC8004 (or IC8067) or its peripheral circuit faulty.
Is there signal at pin (6) of IC8011
Q8008 and Q8009 or there peripheral circuit faulty.
Are there signals at pins (21) thru (27) and (33) thru (40) of IC8011?
IC8011 or its peripheral circuit faulty.
Are there signals at TL44 and TL46?
IC8025 or its peripheral circuit faulty.
IC8020 or its peripheral circuit faulty.
Are there signals at pins (1) thru (10) of IC8051?
IC8029 or its peripheral circuit faulty.
Are there signals at pins (9) and (10) of P8405 connector?
IC8051 or its peripheral circuit faulty.
P8405 connector or output PWB faulty.
Is there signal at pin (13) of IC8004 (or pin (6) of IC8067)?
Yes
Is there signal at the base of Q8009?
Is there signal at pin (6) of IC8011?
Are there signals at pins (21) thru (27) and (33) thru (40) of IC8011?
B
Are there signals at pins (112) thru (119) of IC8020?
Are there signals at pins (69) thru (73) and (189) thru (192) of IC8020?
Check the video system's red video circuit and its peripheral circuits
Are there signals at pins (35) thru (42) of P8404 connector?
B

TROUBLE SHOOTING TABLE FOR PC I/F UNIT-4

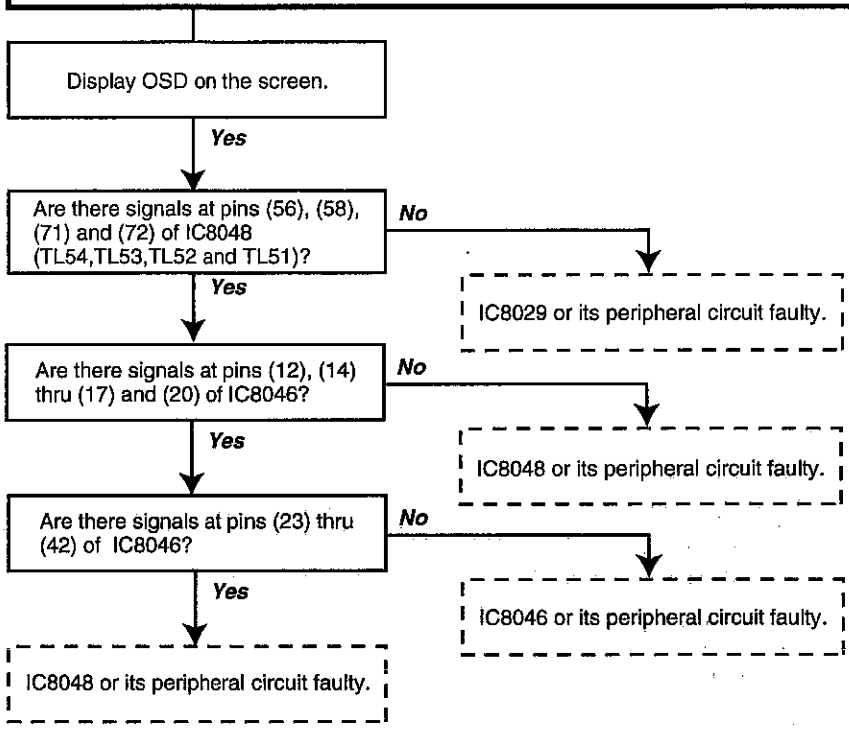

Checking the SXGA's green video circuit and its peripheral circuits
Checking the VGA's green video circuit and its peripheral circuits
Is there signal at pin (8) of IC8004 (or pin (6) of IC8066)?
No
Output PWB faulty.
Yes
Is there signal at the base of Q8007?
No
IC8004 (or IC8066) or its peripheral circuit faulty.
Yes
Is there signal at pin (6) of IC8010?
No
Q8006 and Q8007 or there peripheral circuit faulty.
Yes
Are there signals at pins (21) thru (27) and (33) thru (40) of IC8010?
No
IC8010 or its peripheral circuit faulty.
Yes
Are there signals at TL45 and TL47?
No
IC8025 or its peripheral circuit faulty.
Yes
Are there signals at pins (165) thru (177) of IC8020?
No
IC8020 or its peripheral circuit faulty.
Yes
Are there signals at pins (179) thru (187) of IC8020?
Yes
C
Are there signals at pins (11) thru (20) of IC8051?
No
IC8029 or its perpheral circuit faulty.
Yes
Are there signals at pins (5) and (6) of P8405 connector?
No
IC8051 or its peripheral circuit faulty.
Yes
P8405 connector or output PWB faulty.
Check the video system's green video circuit and its peripheral circuits
Are there signals at pins (25) thru (32) of P8404 connector?
No
Yes
C

TROUBLE SHOOTING TABLE FOR PC I/F UNIT-5

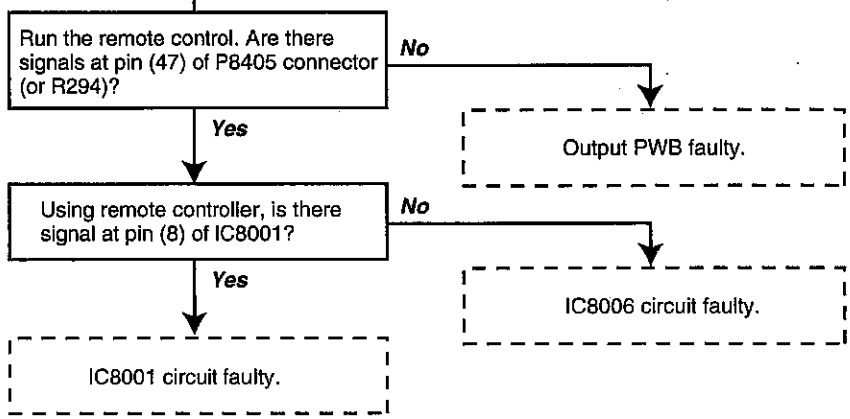

Checking the SXGA's blue video circuit and its peripheral circuits
Is there signal at pin (3) of IC8004 (or pin (6) of IC8065)?
No
Output PWB faulty.
Yes
Is there signal at the base of Q8005?
No
IC8004 (or IC8065) or its peripheral circuit faulty.
Yes
Is there signal at pin (6) of IC8009?
No
Q8004 and Q8005 or there peripheral circuit faulty.
Yes
Are there signals at pins (21) thru (27) and (33) thru (40) of IC8009?
No
IC8009 or its peripheral circuit faulty.
Yes
Are there signals at TL48 and TL49?
No
IC8020 or its peripheral circuit faulty.
Yes
Are there signal at pins (21) thru (30) of IC8051?
No
IC8018 or its peripheral circuit faulty.
Yes
Are there signal at pins (1) and (2) of P8405 connector?
No
IC8051 or its peripheral circuit faulty.
Yes
P8405 connector or output PWB faulty.
Checking the VGA's blue video circuit and its peripheral circuits
Is there signal at pin (3) of IC8004 (or pin (6) of IC8065)?
No
Yes
Is there signal at the base of Q8005?
No
Yes
Is there signal at pin (6) of IC8009?
No
Yes
Are there signals at pins (21) thru (27) and (33) thru (40) of IC8009?
No
Yes
D
Are there signals at pins (85) thru (93) of IC8020?
No
Yes
Are there signals at pins (74) thru (83) of IC8020?
No
Yes
Check the video system's blue video circuit and its peripheral circuits.
Are there signals at pins (15) thru (22) of P8404 connector?
No
Yes
D

TROUBLE SHOOTING TABLE FOR PC I/F UNIT-6

Checking the OSD circuit and its peripheral circuits


Display OSD on the screen.
Yes
Are there signals at pins (56), (58), (71) and (72) of IC8048 (TL54,TL53,TL52 and TL51)?
No
IC8029 or its peripheral circuit faulty.
Yes
Are there signals at pins (12), (14) thru (17) and (20) of IC8046?
No
IC8048 or its peripheral circuit faulty.
Yes
Are there signals at pins (23) thru (42) of IC8046?
No
IC8046 or its peripheral circuit faulty.
Yes
IC8048 or its peripheral circuit faulty.

Checking the remote control


Run the remote control. Are there signals at pin (47) of P8405 connector (or R294)?
No
Output PWB faulty.
Yes
Using remote controller, is there signal at pin (8) of IC8001?
No
IC8006 circuit faulty.
Yes
IC8001 circuit faulty.

Technische Daten

Produkttyp	LCD Projector
Modell	XG-NV6XE
Videosystem	PAL/SECAM/NTSC 3.58/NTSC 4.43/DTV 480P/DTV 720P/DTV 1080I
Wiedergabeverfahren	LCD-Projektionspaneel × 3, optisches RGB-Verschlußverfahren
LCD-Projektionspaneel	Panelgröße: 33 mm (1,3") (20,0 mm [H] × 26,6 mm [B]) Wiedergabe-Verfahren: Durchlässiges TN-Flüssigkristall-Paneel Treiberverfahren: TFT (Dünnfilmtransistor) Aktivmatrix-Paneel Anzahl der Bildpunkte: 786.432 Bildpunkte (1.024 [H] × 768 [V])
Objektiv	1–1,3 Zoomobjektiv, F1,7–2,3, f = 49,1–63,8 mm
Projektionslampe	150 W UHP-Lampe
Kontrastverhältnis	250:1
Videoeingangssisgnal	RCA-Stecker: VIDEO, Gemischtes Video, 1,0 Vs-s, negatives Sync.-Signal, 75 Ω terminiert RCA-Stecker: AUDIO, 0,5 Vrms mehr als 22 kΩ (Stereo)
S-Videoeingangssignal	4-Pin Mini-DIN-Stecker Y (Luminanz-Signal): 1,0 Vs-s, negatives Sync.-Signal, 75 Ω terminiert C (Chrominanz-Signal): Stoß 0,286 Vs-s, 75 Ω terminiert
Komponenten-Eingangssignal	BNC-Stecker (INPUT 1) Y: 1,0 Vs-s, negatives Sync.-Signal, 75 Ω terminiert PB: 0,7 Vs-s, 75 Ω terminiert PR: 0,7 Vs-s, 75 Ω terminiert
Horizontale Auflösung	520 Fernsehzeilen (Videoeingang), 750 Fernsehzeilen (DTV 720P-Eingang, Punkt für Punkt)
Audioausgang	2 W + 2 W (Stereo)
RGB-Computereingangssignal	15-PIN MINI D-SUB STECKANSCHLUSS (INPUT 1, 2), 5 BNC-STECKER (INPUT 1): RGB getrennt/gemischte Sync./Sync. auf Grün-Typ analoger Eingang: 0–0,7 Vs-s, positiv, 75 Ω terminiert STEREO-MINIBUCHSE: AUDIO, 0,5 Vrms, mehr als 22 kΩ (Stereo) HORIZONTALES SYNC.-SIGNAL: TTL-Pegelsignal (positiv/negativ) oder gemischtes Sync.-Signal (nur Macintosh) VERTIKALES SYNC.-SIGNAL: Wie oben
Punktetakt	12–230 MHz
Vertikale Frequenz	43–200 Hz
Horizontale Frequenz	15–126 kHz
Computereingangs-Signal	9-Pin Mini-DIN-Stecker (RS-232C-Eingangsanschluß)
Lautsprechersystem	1 3/32" (5 cm) rund × 2
Nennspannung	110–120/220–240 V Wechselstromspannung
Eingangsspannung	2,4 A/1,2 A
Nennfrequenz	50/60 Hz
Nennaufnahme	265 W
Betriebstemperatur	+5°C bis +40°C
Lagertemperatur	−20°C bis +60°C
Gehäuse	Kunststoff
I/R-Trägerfrequenz	38 kHz
Laserzeiger der Fernbedienung	Wellenlänge: 670 nm / Max. Ausgang: 1 mW / Klasse II Lasergerät
Abmessungen (ca.)	261 × 129 × 356 mm (B × H × T) (nur Hauptgerät) 261 × 146 × 411.5 mm (B × H × T) (einschließlich Drehfüße und vorstehende Teile)
Gewicht (ca.)	7,2 kg
Mitgeliefertes Zubehör	Fernbedienung, Zwei Batterien der Größe AA, Netzkabel (1,8 m), Computerkabel (3 m), Drei BNC/RCA-Adapter, Computer-Audiokabel (3 m), Serielles Maus-Steuerungskabel (1 m), Maus-Steuerungskabel für IBM PS/2 (1 m), Maus-Steuerungskabel für Mac (17 cm), DIN-D-Sub RS-232C-Kabel (15 cm), Fernbedienungs-Mausempfänger, Ersatz-Luftfilter, Objektivkappe (angebracht), CD-ROM, Bedienungsanleitung für LCD-Projektor, Kurzanleitung für LCD-Projektor, Software-Anleitung für Sharp Advanced Presentation, Kurzanleitung für Sharp Advanced Presentation, Anleitungsblatt für die IrDA-Treiberinstallation
Ersatzteile	Standard-Objectiv (CLNS-0169CE02), Fernbedienung (RRMCG1535CESA), Batterien der Größe AA, Netzkabel, Computerkabel (QCNW-5304CEZZ), BNC/RCA-Adapter (QPLGJ0107GEZZ), Computer-Audiokabel (QCNW-4870CEZZ), Serielles Maus-Steuerungskabel (QCNW-5112CEZZ), Maus-Steuerungskabel für IBM PS/2 (QCNW-5113CEZZ), Maus-Steuerungskabel für Mac (QCNW-5114CEZZ), DIN-D-Sub RS-232C-Kabel (QCNW-5288CEZZ), Fernbedienungs-Mausempfänger (RUNTK0661CEZZ), Luftfilter (PFILD0080CEZZ), Objektivkappe (PCAPH1056CESA), CD-ROM, Bedienungsanleitung für LCD-Projektor, Kurzanleitung für LCD-Projektor, Software-Anleitung für Sharp Advanced Presentation, Kurzanleitung für Sharp Advanced Presentation, Anleitungsblatt für die IrDA-Treiberinstallation

Dieser Projektor von SHARP ist mit 3 LCD- (Flüssigkristallanzeige) Projektionspaneels ausgestattet. Diese neuartigen Projektionspaneels enthalten TFTs (Dünnfilmtransistoren) mit insgesamt 786.432 Bildpunkten (× RGB). Bei allen technologisch fortschrittlichen, elektronischen Geräten, z. B. Großbild-Fernsehern, Videosystemen bzw. Videokameras, sind bestimmte Toleranzgrenzen für die Funktionen gegeben.

Dieses Gerät hat einige inaktive, innerhalb akzeptierter Toleranzgrenzen liegende TFTs, die als beleuchtete oder als nicht aktive Punkte auf der Bildwand wiedergegeben werden. Dies hat keinen Einfluß auf die Bildqualität und die Lebensdauer des Gerätes.

Änderungen der technischen Daten ohne vorherige Ankündigung vorbehalten.

HINWEIS FÜR DAS WARTUNGSPERSONAL

ACHTUNG: UV-STRAHLUNG

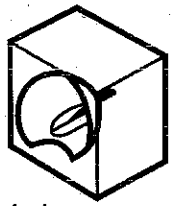
Die Lichtquelle im LCD-Projektor, eine Metall-Halogen-Lampe, gibt eine geringe UV-Strahlung ab.

DIREKTE BESTRAHLUNG AUF AUGEN UND HAUT MUSS VERMIEDEN WERDEN.

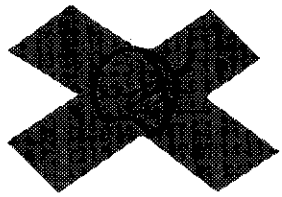
Zur Gewährleistung der Sicherheit muß folgendes beachtet werden:

1. Bei Arbeiten am Projektor bei eingeschalteter Lampe und abgenommenem oberen Gehäuse muß unbedingt eine Sonnenbrille getragen werden.

2. Die Lampe darf nicht außerhalb des Lampengehäuses eingeschaltet werden.



3. Betrieb für länger als 2 Stunden bei abgenommenem Gehäuse ist nicht zulässig.



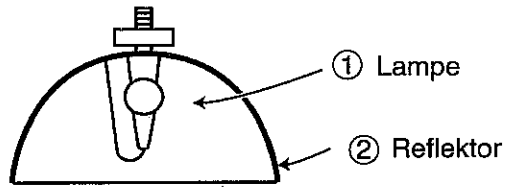
Zur Beachtung bei UV-Strahlung und Mitteldruck-Lampen

1. Vor dem Auswechseln der Lampe muß der Netzstecker gezogen werden.
2. Vor Durchführung von Wartungsarbeiten muß das Gerät eine Stunde abkühlen.
3. Nur mit dem gleichen Lampentyp ersetzen Typ CLMPF0056DE02 oder BQC-XGNV6XE/1; Nennleistung 65 V/150 W.
4. Die Lampe gibt eine geringe UV-Strahlung ab, daher muß direkter Augenkontakt vermieden werden.
5. Die Mitteldruck-Lampe weist ein Explosionsrisiko auf. Daher müssen die nachstehenden Installationsanweisungen beachtet werden, und die Lampe muß vorsichtig behandelt werden.

■ Auswechseln der Lampe

Hinweis:

Da die Lampe während des Betriebs sehr heiß wird, sollte die Lampe erst ausgewechselt werden, nachdem das Gerät mindestens eine Stunde ausgeschaltet war, damit die Lampe ausreichend abkühlen kann.
Beim Installieren der neuen Lampe muß darauf geachtet werden, die Lampe selbst (Glaskolben) nicht zu berühren. Vielmehr muß die Lampe am Reflektor ② gehalten werden.
[Es darf nur ein Original-Ersatzteil verwendet werden.]



GEFAHR! — Niemals die Spannungsversorgung einschalten, ohne daß eine Lampe vorhanden ist, um elektrische Schläge und Schäden am Gerät zu vermeiden, da der Stabilisator anfangs hohe Spannungen erzeugt.

Da eine geringe UV-Strahlung aus einer Öffnung zwischen der Schachtabdeckung und dem Lampengehäuse austritt, sollte der Objektivdeckel bei Wartungsarbeiten auf die Öffnung gesetzt werden, um die Bestrahlung von Augen und Haut zu vermeiden (Abb. 1).

Hinweis: Besorgen Sie sich einen Objektivdeckel, bevor Sie Arbeiten an einem Modelle XG-NV6XE durchführen, das keinen Objektivdeckel aufweist.

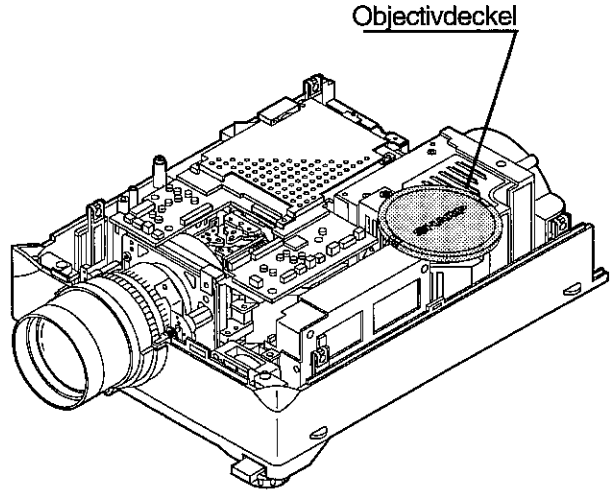
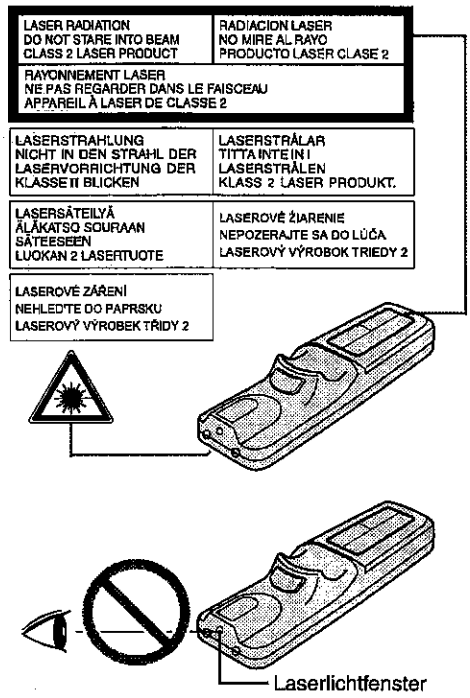


Abbildung 1.

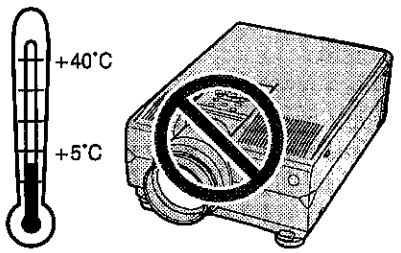
Hinweise zum Betrieb



Vorsichtsmaßnahmen bei der Verwendung des Laserzeigers

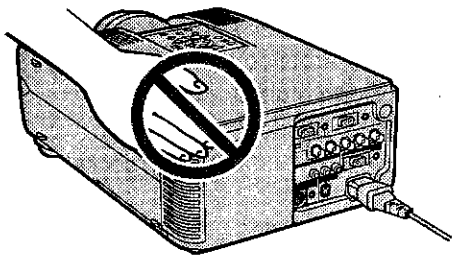
Der Laserzeiger der Fernbedienung strahlt einen Laserstrahl aus dem Laserlichtfenster aus. Dieser Laserstrahl der Klasse II kann die Augen beeinflussen, wenn der Strahl direkt in die Augen gerichtet wird. Die zwei links gezeigten Markierungszeichen sind Warnaufkleber f ür den Laserstrahl.

- Nicht in das Laserlichtfenster schauen oder den Laserstrahl auf sich selbst oder andere Personen richten. (Der in diesem Produkt verwendete Laserstrahl ist harmlos, wenn er auf die Haut trifft. Jedoch sollte der Laserstrahl nicht direkt in die Augen gerichtet werden.)
- Den Laserzeiger bei Temperaturen zwischen + 5°C und + 40°C verwenden.
- Die Verwendung von anderen Bedienelementen und Einstellungen oder die Ausführung von anderen Schritten als in der Anleitung beschrieben kann gefährliche Strahlung freisetzen.



Vorsichtsmaßnahmen bei der Aufstellung des Projektors

Im Hinblick auf möglichst wenig Wartungintervalle empfehlen wir, den Projektor nicht in Räumen mit hoher Luftfeuchtigkeit, Staub und Zigarettenrauch aufzustellen. Bei unsachgemäßer Aufstellung kann dies zu starken Verschmutzungen am Objektiv und Luftfiltereinsatz und auch im Ger ät selbst führen. Das Gerät muß dann öfter gewartet werden, um eine lange Betriebsiebensdauer zu erreichen. Eine interne Gerätereinigung darf nur von Sharp autorisierten H ändler für LCD-Projektoren oder den Kundendienst durchgef ührt werden!

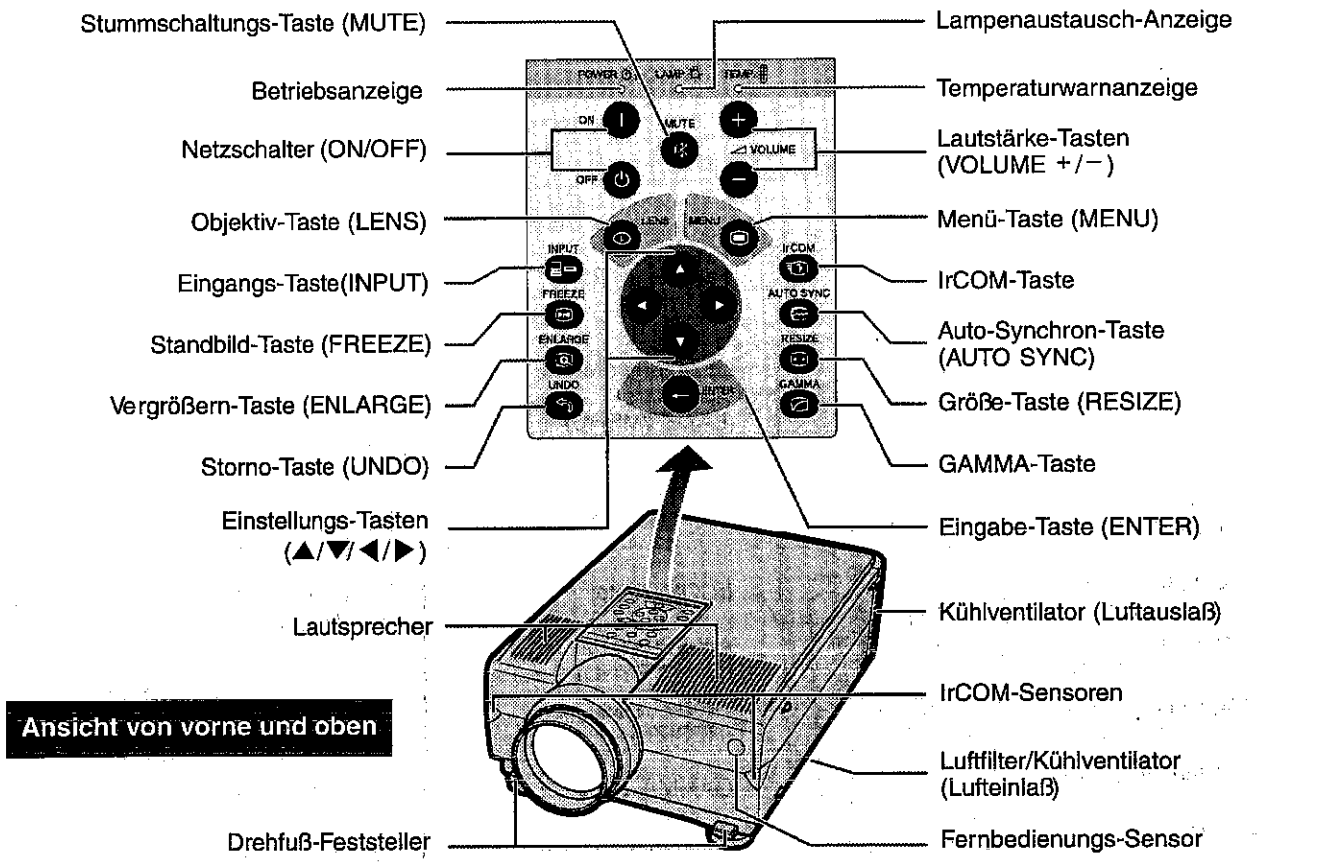


Hinweise zum Betrieb

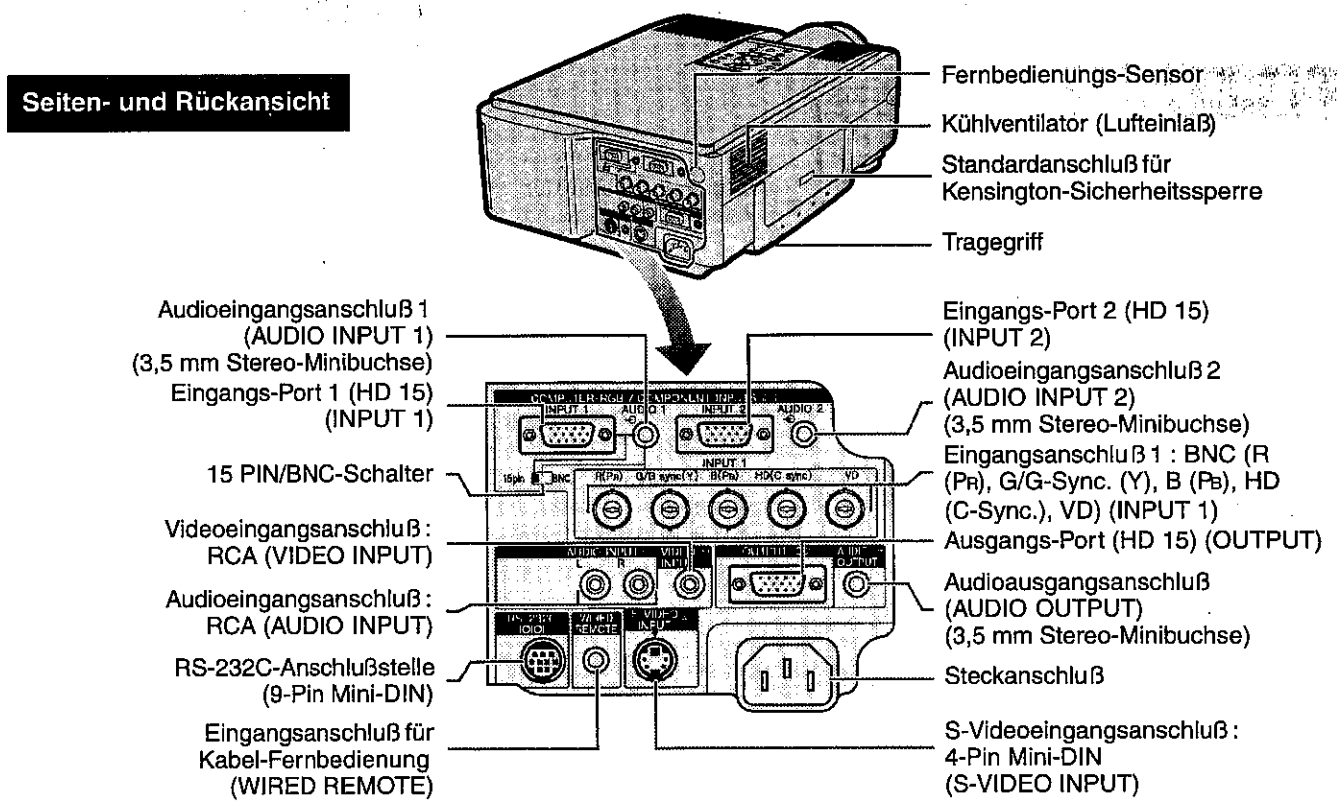
- Die Luftaustrittsöffnungen, die Lampenk äfig-Abdeckung und die umgebenden Bereiche werden beim Betrieb des Projektors besonders heiß. Um Verletzungen zu vermeiden, sollten diese Bereiche nicht vor der vollst ändigen Abk ühlung berührt werden.
- Mindestens 10 cm Abstand zwischen dem K ühlventilator (Luftaustrittsöffnungen) und einer Wand oder einem Gegenstand halten.
- Wenn der Betrieb des K ühlventilators behindert wird, schaltet eine Schutzvorrichtung automatisch die Projektorlampe aus. Dies zeigt keine Fehlfunktion an. Das Netzkabel des Projektors von der Steckdose abtrennen und mindestens 10 Minuten warten. Dann durch Anschluß des Netzkabels das Gerät wieder einschalten. Dadurch wird der Projektor wieder auf normalen Betrieb eingestellt.

Lage der Bedienelemente

Projektor



Ansicht von vorne und oben

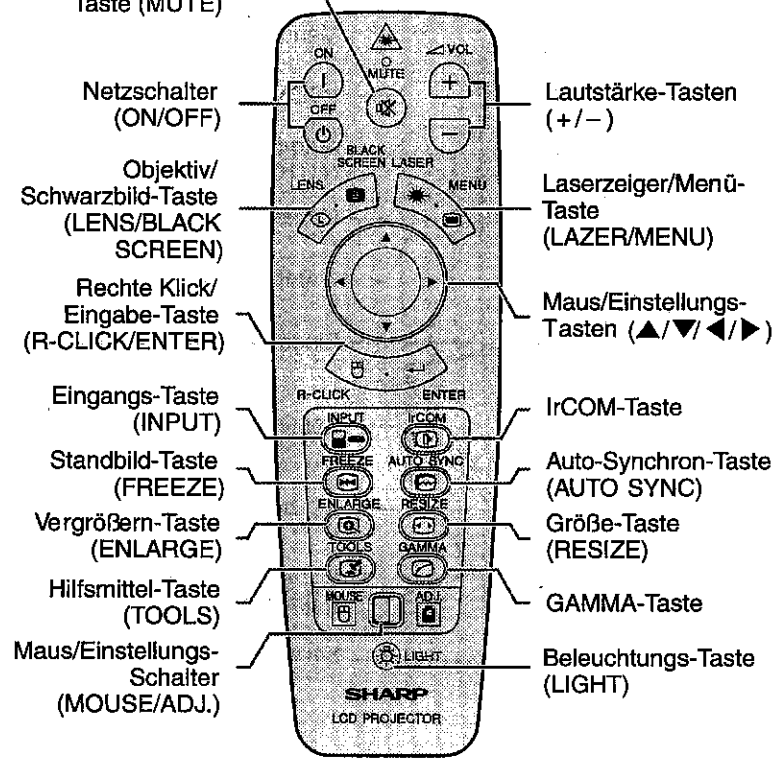

Fernbedienungs-Sensor
Kühlventilator (Lufteinlaß)
Standardanschluß für Kensington-Sicherheitssperre
Tragegriff
Audioeingangsanschluß 1 (AUDIO INPUT 1) (3,5 mm Stereo-Minibuchse)
Eingangs-Port 1 (HD 15) (INPUT 1)
15 PIN/BNC-Schalter
Videoeingangsanschluß: RCA (VIDEO INPUT)
Audioeingangsanschluß: RCA (AUDIO INPUT)
RS-232C-Anschlußstelle (9-Pin Mini-DIN)
Eingangsanschluß für Kabel-Fernbedienung (WIRED REMOTE)
Eingangs-Port 2 (HD 15) (INPUT 2)
Audioeingangsanschluß 2 (AUDIO INPUT 2) (3,5 mm Stereo-Minibuchse)
Eingangsanschluß 1 : BNC (R (PR), G/G-Sync. (Y), B (PB), HD (C-Sync.), VD) (INPUT 1)
Ausgangs-Port (HD 15) (OUTPUT)
Audioausgangsanschluß (AUDIO OUTPUT) (3,5 mm Stereo-Minibuchse)
Steckanschluß
S-Videoeingangsanschluß: 4-Pin Mini-DIN (S-VIDEO INPUT)

Seiten- und Rückansicht

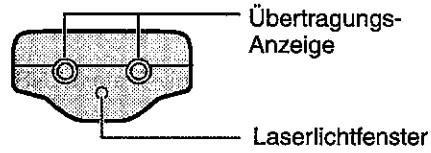
Betrieb mit der drahtlosen Maus-Fernbedienung

Fernbedienung

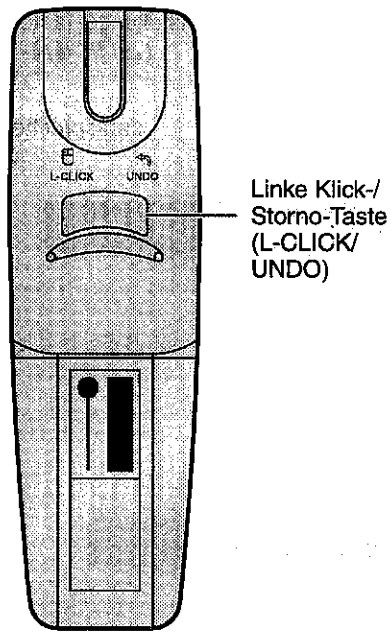
Vorderansicht



Ansicht von oben

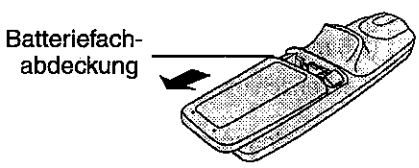
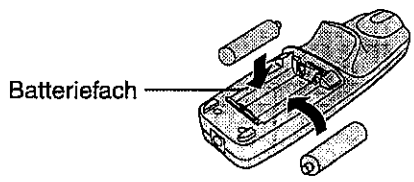
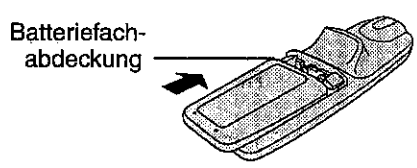


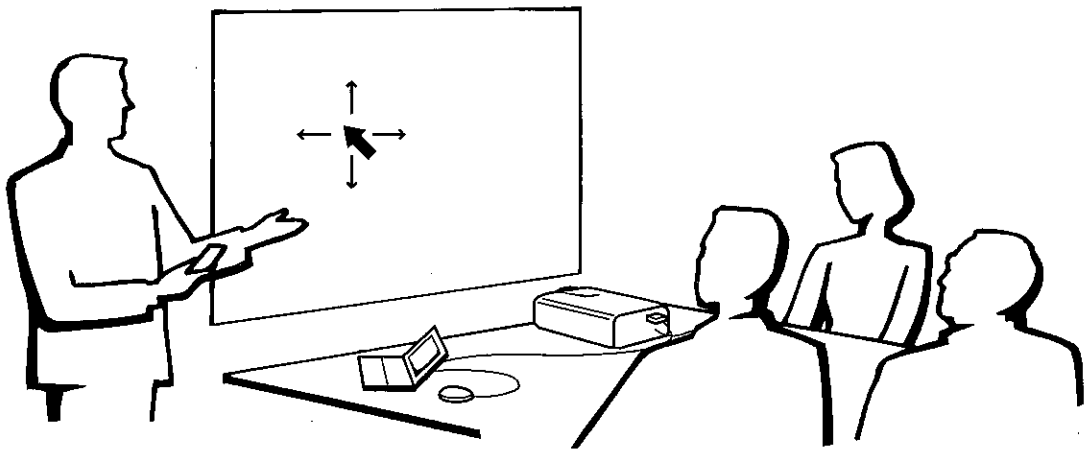
Ansicht von hinten



Ansicht von unten

Einsetzen der Batterien

1	2	3
Zum Entfernen der Batteriefachabdeckung auf die Pfeilmarkierung drücken und nach unten schieben.	**Zwei Batterien der Größe AA für die Fernbedienung einlegen und sicherstellen, daß die Pole mit der + und – Markierung im Batteriefach übereinstimmen.**	**Die seitlichen Vorsprünge der Batteriefachabdeckung in die entsprechenden Schlitze einsetzen und auf die Abdeckung drücken, bis sie richtig aufgeschoben ist.**
		

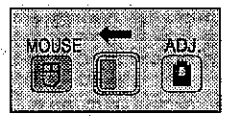


Verwendung der Fernbedienung als eine drahtlose Maus

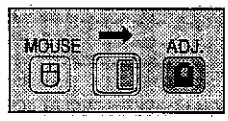
Die Fernbedienung ist mit den folgenden drei Funktionen ausgestattet:

- Projektor-Steuerung
- Drahtlose Maus
- Laserzeiger

MOUSE/ADJ.-Schalter (Fernbedienung)



Drahtlose Maus Laserzeiger



Projektor-Steuerung

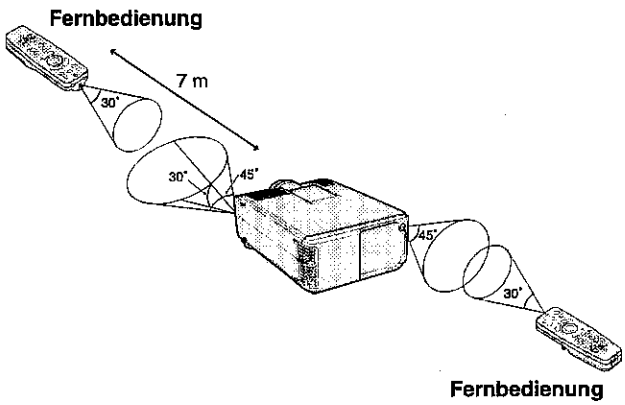
Positionierung der Fernbedienung bzw. des Mausempfängers

- Die Fernbedienung kann zur Steuerung des Projektors innerhalb des unten gezeigten Bereiches verwendet werden.
- Der Fernbedienungs-Mausempfänger kann mit der Fernbedienung zusammen zur Steuerung der Mausfunktion eines angeschlossenen Computers innerhalb des unten gezeigten Bereiches verwendet werden.

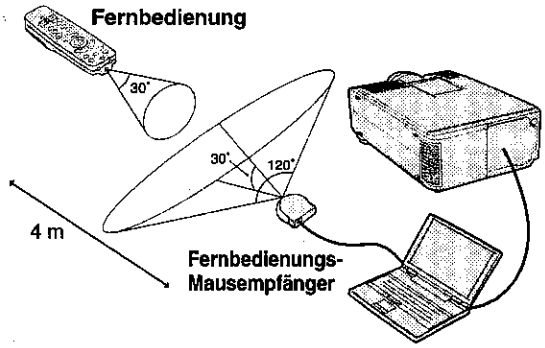
HINWEIS

- Das Signal der Fernbedienung kann für einen einfacheren Betrieb von der Bildwand reflektiert werden. Der wirksame Abstand des Signals kann aufgrund des Materials der Bildwand unterschiedlich sein.

Steuerung des Projektors



Verwendung der drahtlosen Maus

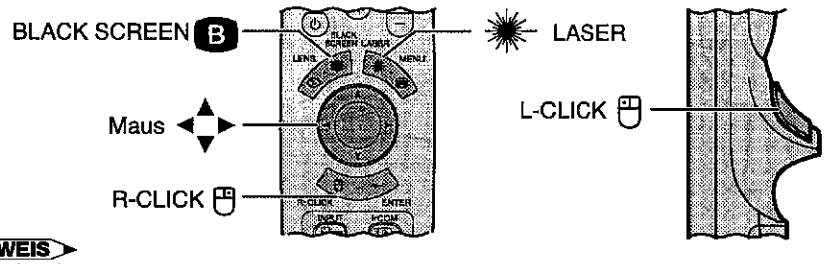


Verwendung als eine drahtlose Maus

① Sicherstellen, daß der mitgelieferte Fernbedienungs-Mausempf änger am Computer angeschlossen ist.

① Den **MOUSE/ADJ.**-Schalter auf MOUSE-Position schieben.

VerwendbareTasten in der MOUSE-Betriebsart



HINWEIS
- Die drahtlose Maus kann nicht richtig funktionieren, wenn der serielle Port des Computers nicht richtig eingestellt ist. Siehe die Bedienungsanleitung des Computers für Hinweise zur Einstellung bzw. Installation des Maustreibers.
- Für eintastige Systeme kann sowohl **L-CLICK** als auch **R-CLICK** verwendet werden.

LIGHT **Verwendungder Fernbedienung in einem dunklenRaum**
Durch Drücken von **LIGHT** werden die Tasten beleuchtet. Die grünen Tasten bedeuten Mausbetrieb und die roten Tasten Projektoreinstellungen.

Tastenbezeichnung	Position des MOUSE/ADJ.-Schalters MOUSE ⟷ ADJ.	
LASER/MENU	LASER (GRÜN)	MENU (ROT)
BLACK SCREEN/LENS	BLACK SCREEN (GRÜN)	LENS (ROT)
R-CLICK/ENTER	R-CLICK (GRÜN)	ENTER (ROT)
▲/▼/◀/▶	▲/▼/◀/▶ (LEUCHTET NICHT)	▲/▼/◀/▶ (LEUCHTET NICHT)
L-CLICK/UNDO	L-CLICK (LEUCHTET NICHT)	UNDO (LEUCHTET NICHT)
ON/OFF	JA (ROT)	
VOLUME +/−		
MUTE		

Tastenbezeichnung	Position des MOUSE/ADJ.-Schalters MOUSE ⟷ ADJ.
INPUT	JA (ROT)
IrCOM	
FREEZE	
AUTO SYNC	
ENLARGE	
RESIZE	
TOOLS	
GAMMA	

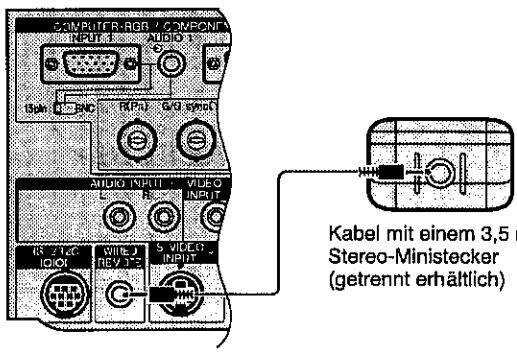
Verwendung als ein Laser zeiger

① Den **MOUSE/ADJ.**-Schalter auf MOUSE-Position schieben.

② LASER **LASER (✷)** zum Aktivieren des Laserzeigers drücken.
Beim Loslassen der Taste erlöscht das Licht automatisch.

HINWEIS
- Aus Sicherheitsgründen erlöscht der Laserzeiger automatisch nach einer Minute fortlaufender Verwendung. Zum Einschalten **LASER (✷)** loslassen und erneut drücken.

Kabel-Fernbedienung



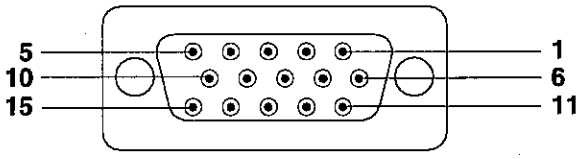
Kabel mit einem 3,5 mm Stereo-Ministecker (getrennt erhältlich)

Wenn die Fernbedienung wegen des Abstandes oder der Position des Projektors (z.B. Rückprojektion usw.) nicht verwendet werden kann, sollte ein Kabel mit einem 3,5 mm Stereo-Ministecker (getrennt erhältlich) vom Eingangsanschluß für die Kabel-Fernbedienung auf der Unterseite der Fernbedienung und am WIRED REMOTE-Eingangsanschluß auf der Rückseite des Projektors angeschlossen werden.

HINWEIS
- Der Laserzeiger und die drahtlose Mausfunktion k önnen mit der Kabel-Fernbedienung verwendet werden.

Pinbelegung

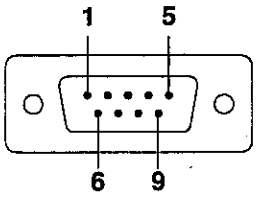
Analoger Computer-Signaleingang 1 und 2: 15-Pin Mini-D-Sub-Buchse



Computereingang
Analog

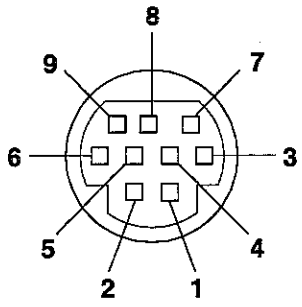
1. Videoeingang (rot)
2. Videoeingang (Grün/Sync. auf Grün)
3. Videoeingang (blau)
4. Reserveeingang 1
5. Gemischtes Sync.-Signal
6. Erdung (rot)
7. Erdung (Grün/Sync. auf Grün)
8. Erdung (blau)
9. Nicht belegt
10. MASSE
11. MASSE
12. Bi-direktionale Daten
13. Horizontales Sync.-Signal
14. Vertikales Sync.-Signal
15. Daten-Zeitgeber

RS-232C-Anschlußstelle: 9-Pin D-Sub-Stecker des DIN-D-Sub RS-232C-Kabels



Pin Nr.	Signal	Name	E/A	Referenz
1	CD			Nicht angeschlossen
2	RD	Daten empfangen	Eingang	An internen Schaltkreis angeschlossen
3	SD	Daten senden	Ausgang	An internen Schaltkreis angeschlossen
4	ER			Nicht angeschlossen
5	SG	Signalerdung		An internen Schaltkreis angeschlossen
6	DR	Datensatz bereit	Ausgang	Nicht angeschlossen
7	RS	Anforderung zum Senden	Ausgang	An internen Schaltkreis angeschlossen
8	CS	Bereit zum Senden	Eingang	An internen Schaltkreis angeschlossen
9	CI			Nicht angeschlossen

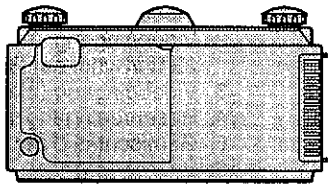
RS-232C-Anschlußstelle: 9-Pin Mini-DIN-Stecker



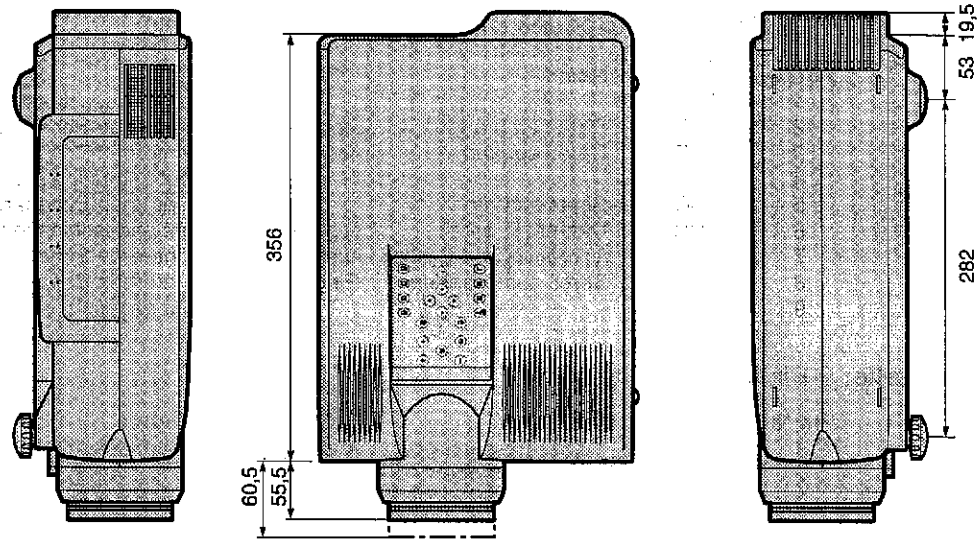
Pin Nr.	Signal	Name	E/A	Referenz
1	VCC	+3,3 V (Reserviert)	Ausgang	Nicht angeschlossen
2	RD	Daten empfangen	Eingang	An internen Schaltkreis angeschlossen
3	SD	Daten senden	Ausgang	An internen Schaltkreis angeschlossen
4	EXIR	Detektor für Zusatzgerät (Reserviert)	Eingang	Nicht angeschlossen
5	SG	Signalerdung		An internen Schaltkreis angeschlossen
6	ERX	IR Empfangssignal von IR-Verstärker (Reserviert)	Eingang	Nicht angeschlossen
7	RS	Aufforderung zum Senden	Ausgang	An internen Schaltkreis angeschlossen
8	CS	Bereit zum Senden	Eingang	An internen Schaltkreis angeschlossen
9	ETX	IR-Signalübertragung (Reserviert)	Ausgang	Nicht angeschlossen

Abmessungen

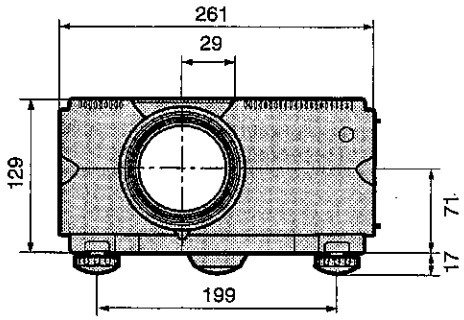
Ansicht der Rückseite



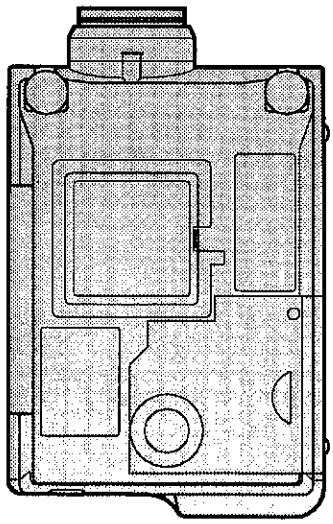
Ansicht von oben



Seitenansicht



Ansicht von vorne



Ansicht von unten

Einheit:mm

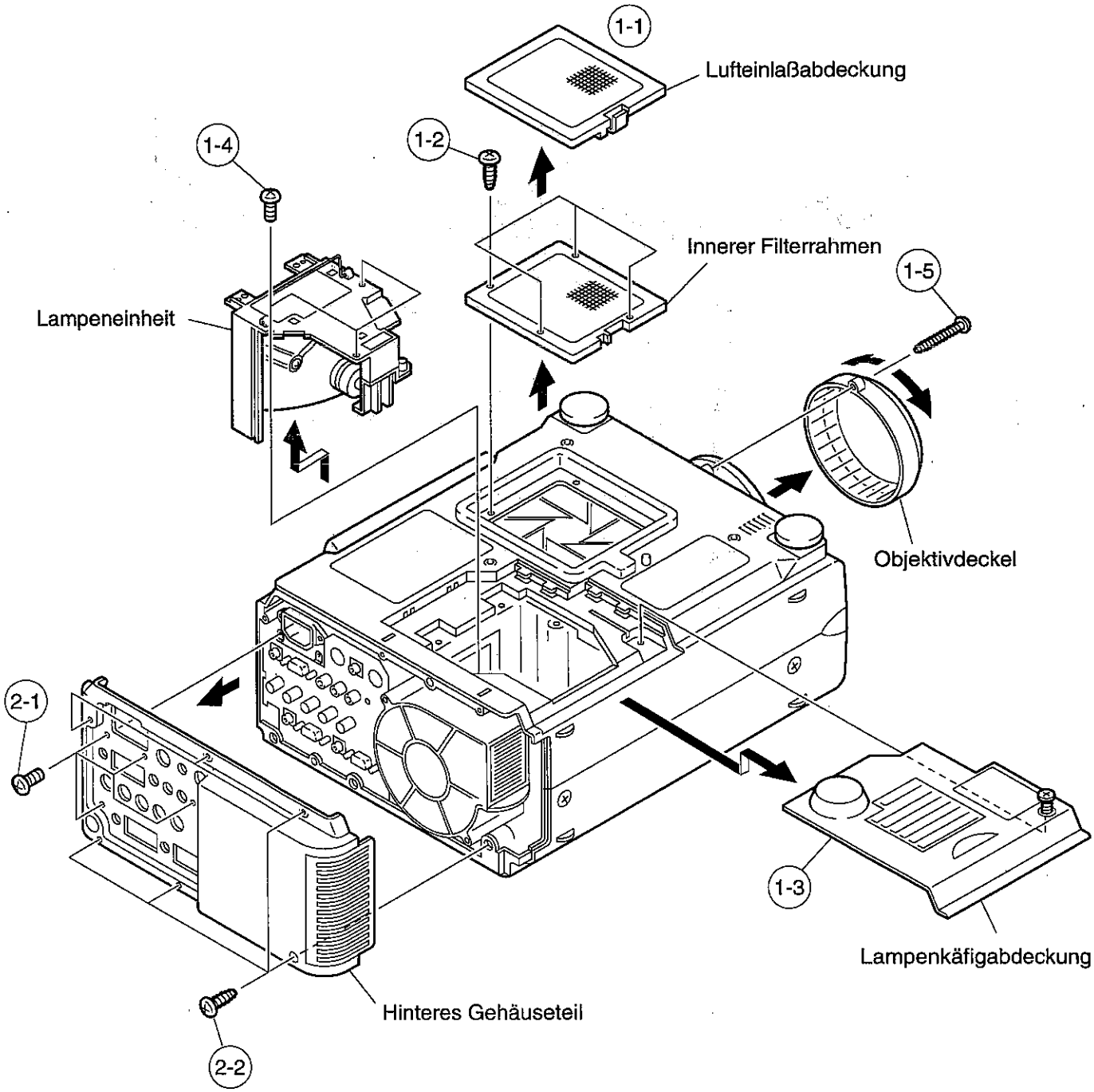
ENTFERNEN DER HAUPTTEILE

1. Entfernen der Lufteinlaßabdeckung, Lampeneinheit und des Objektivdeckels

1-1. Die Lufteinlaßabdeckung abnehmen.
1-2. Die vier Sicherungsschrauben des inneren Filterrahmens entfernen. Den Rahmen abnehmen.
1-3. Die Sicherungsschraube der Glühlampen-Abdeckung entfernen. Die Glühlampen-Abdeckung verschieben und dann abnehmen.
1-4. Die drei Sicherungsschrauben der Glühlampen-Einheit entfernen, dann die Glühlampen-Einheit abnehmen.
1-5. Die Sicherungsschraube der Objektiv-Abdeckung entfernen, dann die Objektiv-Abdeckung abnehmen.

2. Entfernen des hinteren und oberen Gehäuseteils

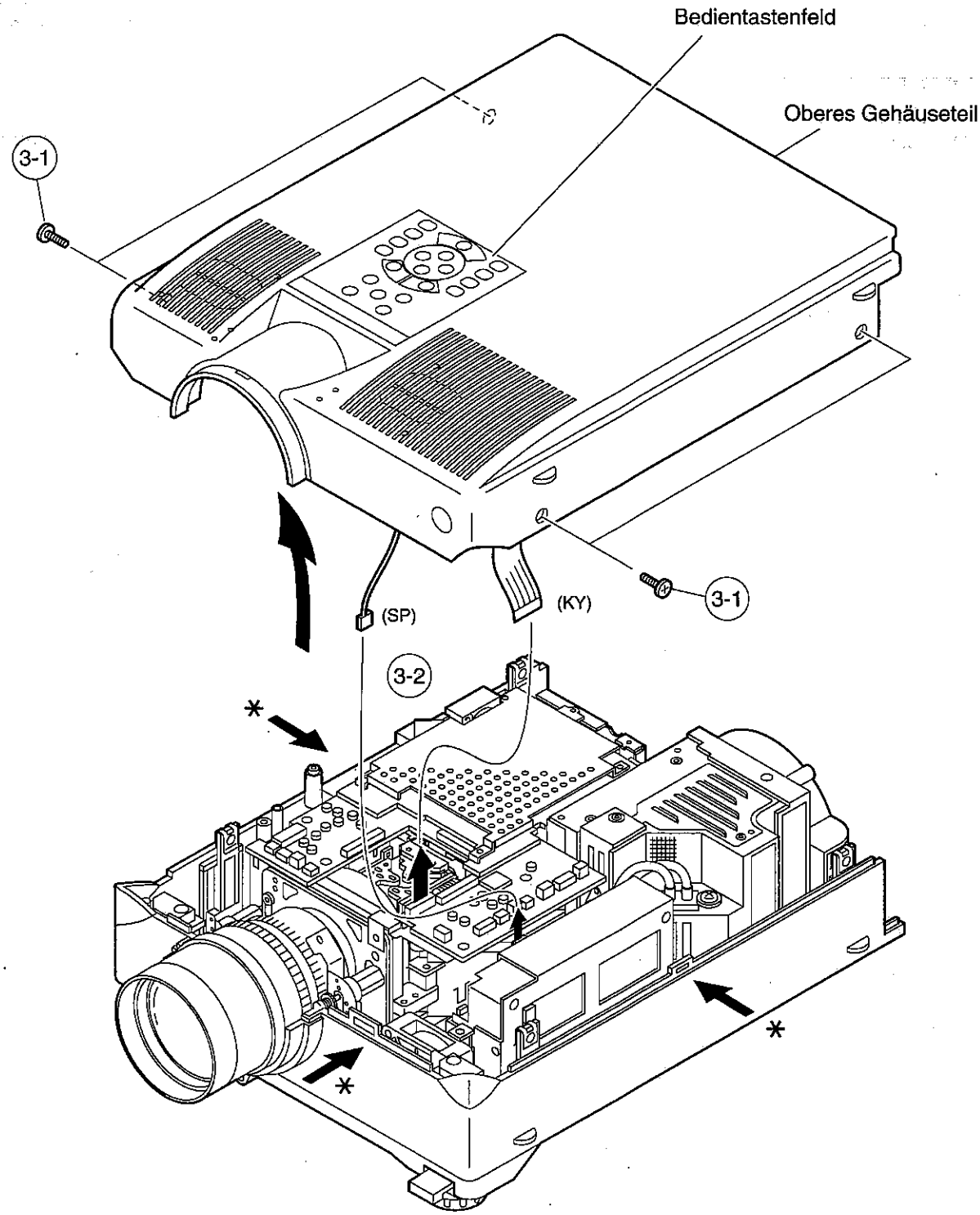
2-1. Die vier Sicherungsschrauben der Platine entfernen.
2-2. Die sechs Sicherungsschrauben an der Gehäuse-Rückwand entfernen. Die Gehäuse-Rückwand abnehmen.



3. Entfernen der Platinen

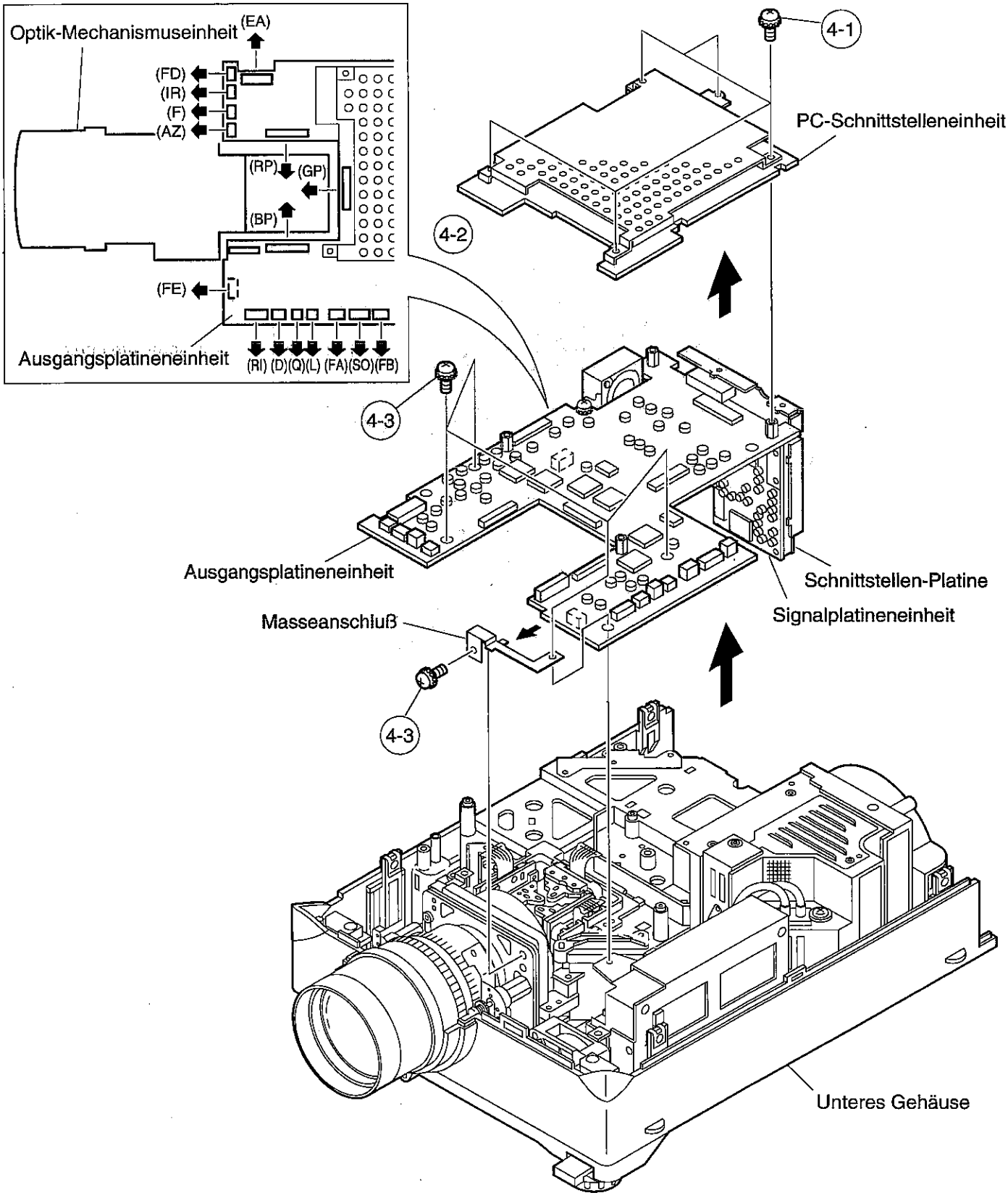
3-1. Die vier Sicherungsschrauben der oberen Gehäuse-Abdeckung entfernen.

3-2. Die obere Gehäuse-Abdeckung lösen, indem der mittlere Bereich an beiden Seiten des unteren Gehäuses und der vordere Bereich hineingedrückt wird (mit * markiert). Danach den hinteren Teil des Gehäuses vorsichtig anheben und den Stecker der Bedienungstasten-Einheit (KY) sowie den Lautsprecherstecker (SP) abziehen. Nun das Gehäuse abnehmen.



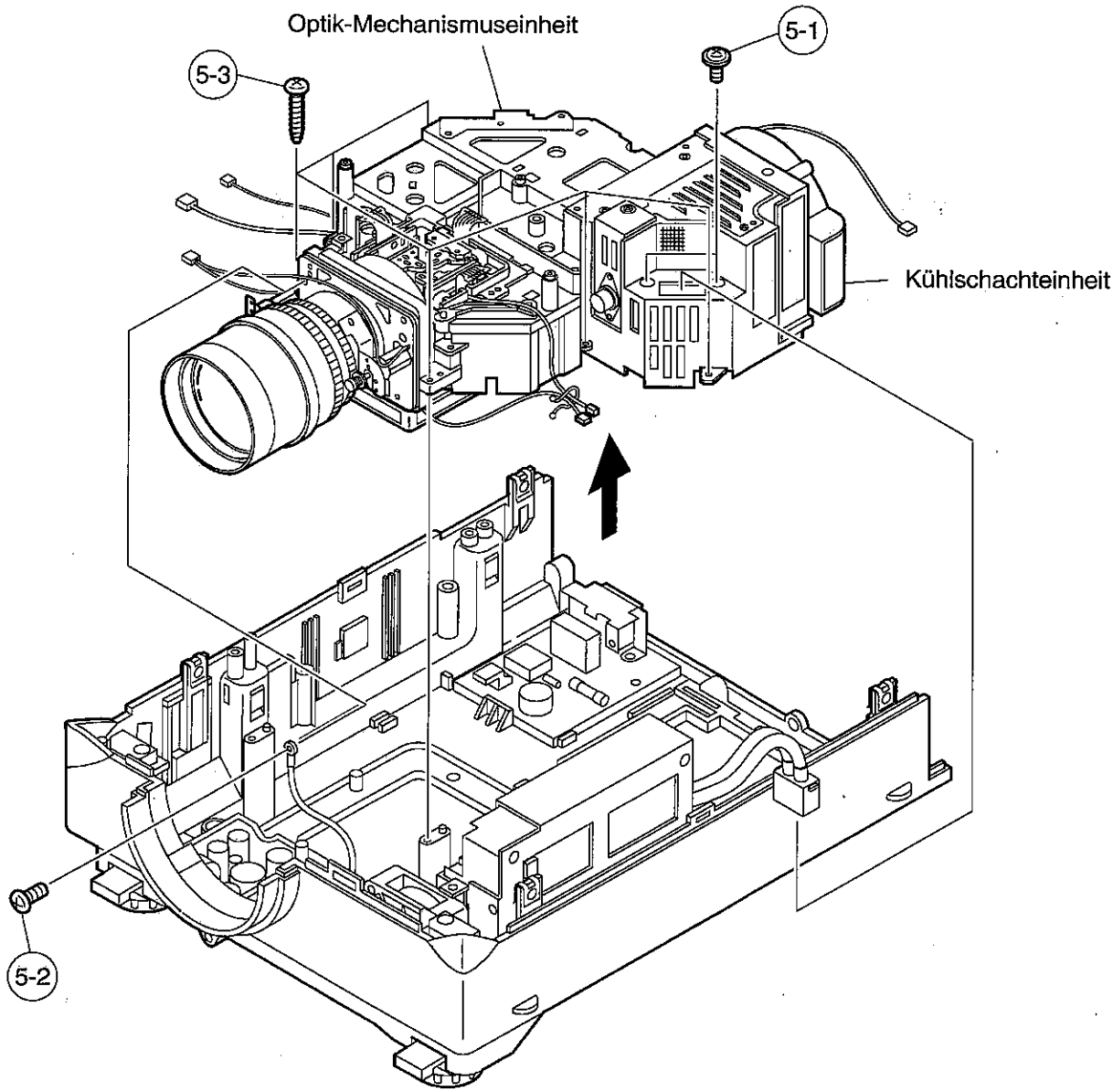
3. Entfernen der Platinen

4-1. Die fünf Sicherungsschrauben der PC-I/F-Einheit entfernen. Die Einheit anheben und von der Ausgabeeinheit abnehmen.
4-2. Die Stecker von der Ausgabeeinheit abziehen.
4-3. Die vier Sicherungsschrauben der Ausgabeeinheit entfernen. Ebenso die Sicherungsschraube des Masseanschlusses herausdrehen, dann den Masseanschluß abnehmen. Die Ausgabe-, Klemmen- und Signaleinheiten anheben und dann herausnehmen.



5. Entfernen der Optik-Mechanismuseinheit

5-1. Die vier Sicherungsschrauben des Halters der Glühlampenfassung entfernen. Den Halter herausnehmen.
5-2. Das Massekabel vom Netzteil abziehen.
5-3. Die sechs Sicherungsschrauben von der Optik-Einheit entfernen. Die Optik-Einheit anheben und herausnehmen.



6. Entfernen der Ballast-/Filtere-/Klangausgabe-Platineneinheit

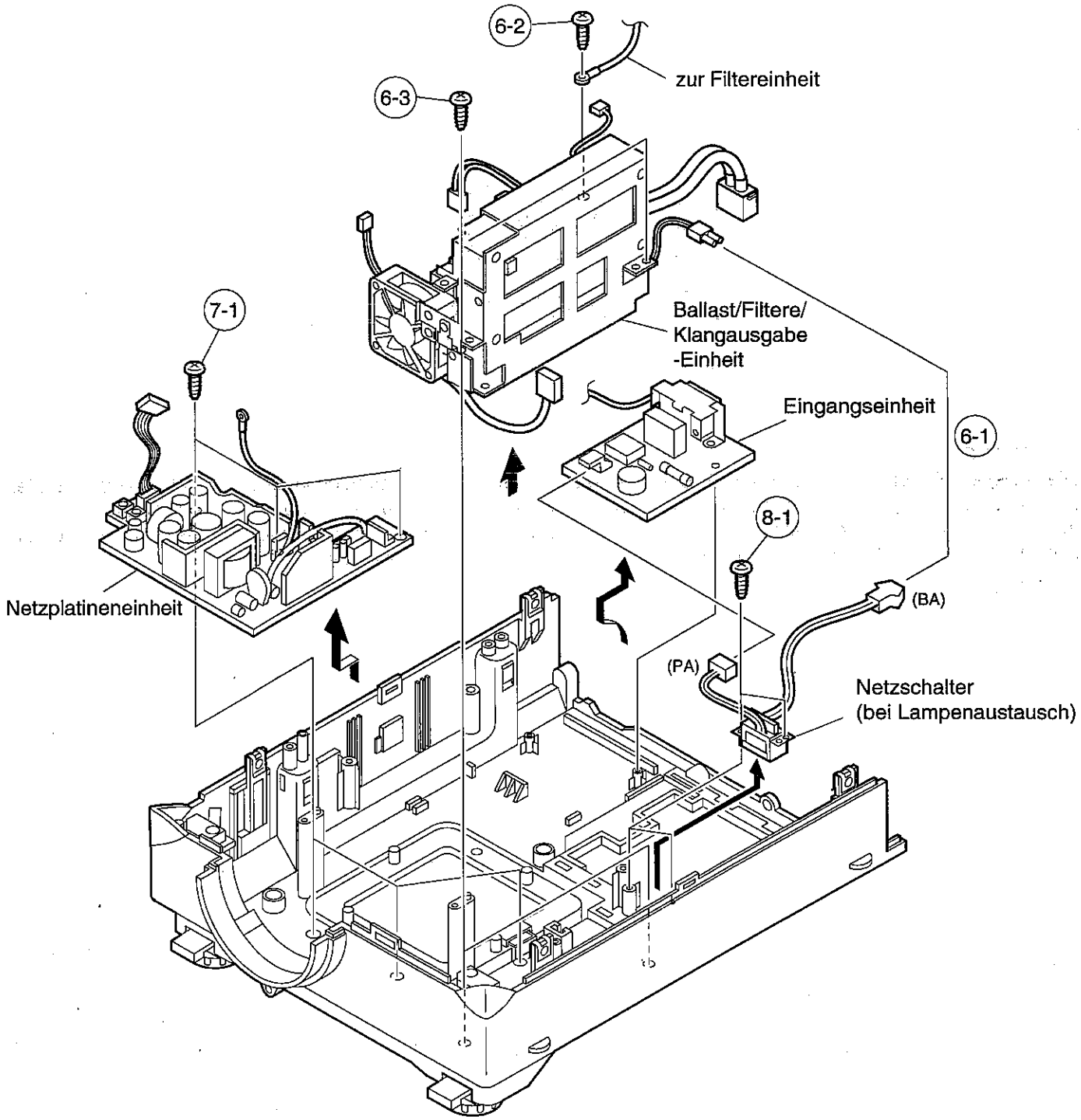
6-1. Den Stecker (BA) vom Hauptschalter abziehen.
6-2. Das Massekabel von der Eingangseinheit abziehen.
6-3. Die beiden Sicherungsschrauben von der Ballast-/Filter-/Klangausgabe-Einheit entfernen. Danach die Einheit herausnehmen.

7. Entfernen der Netzplatineneinheit

7-1. Die drei Sicherungsschrauben von der Leistungsplatine entfernen. Danach die Leistungseinheit herausnehmen.

8. Entfernen der Netzschalter und Eingangseinheit

8-1. Die beiden Sicherungsschrauben des Hauptschalters entfernen, den Stecker (PA) von der Eingangseinheit abziehen, dann den Hauptschalter und die Eingangseinheit herausnehmen.

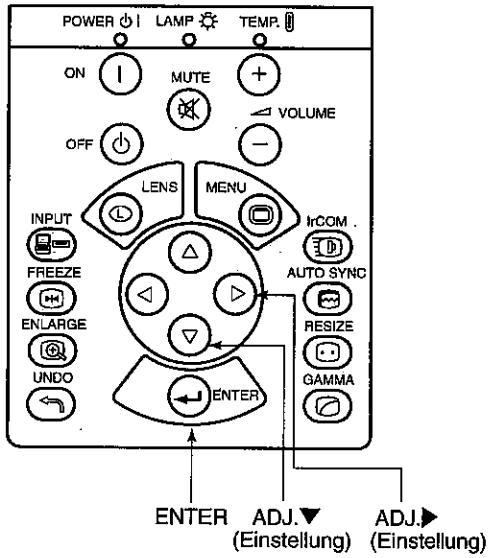


NULLSTELLUNG DES LAMPEN-BETRIEBSSTUNDENZÄHLERS (GESAMTZEIT)

Nachdem die Lampe ausgewechselt wurde, ist die aufgelaufene Gesamtzeit des Lampen-Betriebsstundenzählers in folgenden Schritten nullzustellen.

Nullstellungsverfahren

1. Während die Tasten "ENTER", "ADJ.▼" und "ADJ.▶" gleichzeitig gedrückt gehalten werden, den Hauptgeräteschalter aktivieren (befindet sich über dem Netzeingang).
2. Der Wert des Lampen-Betriebsstundenzählers ist nun auf Null zurückgestellt. "000H" erscheint auf dem Bildschirm.



Glühlampe

Die in diesem Projektor verwendete Glühlampe weist eine Gesamt-Betriebslebensdauer von ungefähr 2000 Stunden auf, abhängig von den Umgebungsbedingungen. Es wird empfohlen, die Glühlampe nach 1900 Betriebsstunden auszuwechseln, oder wenn eine wesentliche Verschlechterung in Bild- oder Farbqualität festgestellt wird. Die Betriebsstunden der Glühlampe können mit Hilfe des On-Screen-Displays festgestellt werden.

⚠ VORSICHT

- Starke Lichtabstrahlung. Bei laufendem Projektor nicht direkt in die Blende oder das Objektiv schauen.

HINWEIS

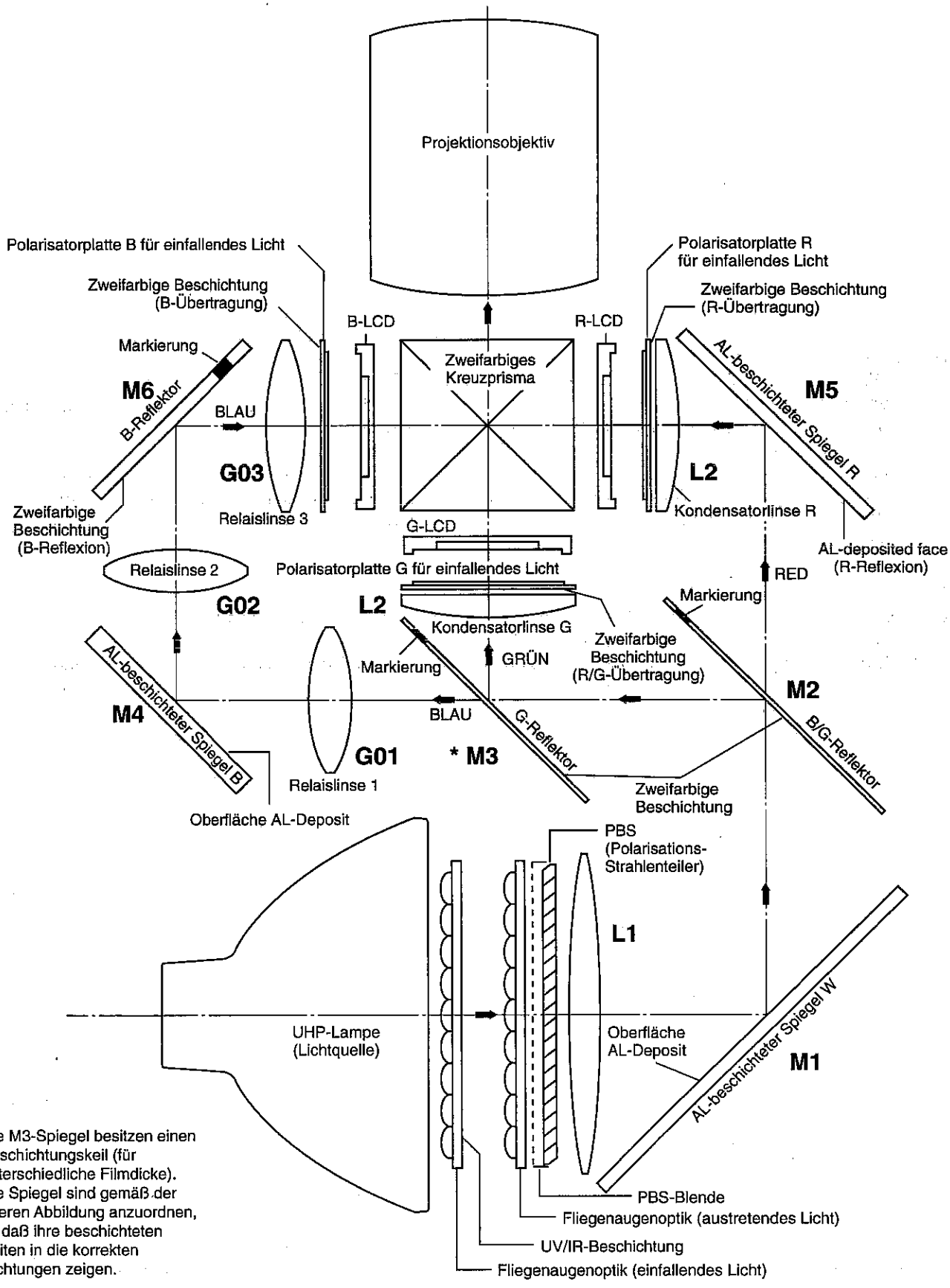
- Da die Lebensdauer stark von den Umgebungsbedingungen während des Betriebs abhängig ist, kann die Glühlampe unter Umständen weniger als 2000 Stunden halten.

Wartungsanzeige	Zustand	Störung	Abhilfe
Temperatur-Warnanzeige (TEMPERATURE WARNING)	Die Innentemperatur ist abnormal hoch.	· Lufteinlaß ist blockiert.	· Den Projektor in einem Bereich aufstellen, an dem eine korrekte Belüftung gewährleistet ist.
		· Luftfilter verstopft.	· Den Filter reinigen.
		· Kühlerventilator defekt. · Schaltkreis im Geräteinnern defekt.	· Den Projektor einem Fachhändler für Sharp LCD-Industriegeräte oder einer Kundendienstwerkstatt zwecks Reparatur übergeben.
Glühlampen-Auswechselanzeige (LAMP REPLACEMENT)	Die Glühlampe leuchtet nicht auf.	· Glühlampe ist durchgebrannt. · Glühlampen-Schaltkreis defekt.	· Die Glühlampe wie vorgeschrieben ersetzen. · Den Projektor einem Fachhändler für Sharp LCD-Industriegeräte oder einer Kundendienstwerkstatt zwecks Reparatur übergeben.
Einschaltanzeige (POWER)	Die rote POWER-Anzeige blinkt bei eingeschaltetem Projektor.	· Die untere Filter-Abdeckung ist geöffnet.	· Die untere Filter-Abdeckung korrekt anbringen.

ÜBERSICHT DER OPTIKEINHEIT

Übersicht des optischen Systems

Hinweis: Anordnung der Bauteile im optischen System



* Die M3-Spiegel besitzen einen Beschichtungskeil (für unterschiedliche Filmdicke). Die Spiegel sind gemäß der oberen Abbildung anzuordnen, so daß ihre beschichteten Seiten in die korrekten Richtungen zeigen.

EINSTELLUNG VON KONVERGENZ UND BRENNPUNKT

- **Bei eingeschaltetem Gerät, entferntem oberen Gehäuseteil und abgenommenen LCD-Abdeckungen mit den Konvergenz- und Brennpunkteinstellungen beginnen. Das Bild wird mit der Fernbedienung eingestellt.**
  Es sind die folgenden Bedienschritte auszuführen:

1. Fokussieren des Projektionsobjektivs

(A) Auswechseln aller 3 Flüssigkristallanzeigen (LCD)

1. Vor dem Auswechseln aller 3 Flüssigkristallanzeigen ist ein Bild auf die Leinwand zu projizieren und scharf einzustellen.
2. Die Flüssigkristallanzeigen durch neue ersetzen. Solange der Brennpunkt jedoch nicht vollständig eingestellt ist, sicherstellen, daß der Abstand zwischen dem Projektor und der Leinwand nicht verändert wird. Der Fokussierring des Projektionsobjektivs und der Zoomring dürfen ebenfalls nicht verändert werden.
   Wenn der Fokussierring mit einem unterschiedlichen Positionsverhältnis nachgestellt wird, wird das Verhältnis zwischen der Projektionsdistanz und der Leinwandgröße beeinflußt. Mit anderen Worten gesagt, kann ein Kurzdistanz-Bild (z.B. 40 mm Weitwinkel) außerhalb des Fokusbereichs liegen, während eine Zoomaufnahme (z.B. 300 Teleobjektiv) ebenfalls außerhalb des zulässigen Bereichs liegt.

(B) Auswechseln von nur 1 oder 2 Anzeigen

1. Wenn nach dem Auswechseln von einer oder zwei LCD-Anzeigen eine Brennpunkteinstellung vorgenommen wird, ein Bild auf die Leinwand projizieren, dann Fokussierring verstellen, um die nicht ausgewechselte LCD-Anzeige in den Brennpunkt zu bringen.
2. Solange der Brennpunkt für beide neuen LCD-Anzeigen jedoch noch nicht vollständig abgeschlossen ist, unbedingt darauf achten, daß der Abstand zwischen dem Gerät und der Leinwand nicht verändert wird. Der Fokussierring des Projektionsobjektivs und der Zoomring dürfen ebenfalls nicht verändert werden.

(Wenn der Fokussierring verdreht oder das Projektionsobjektiv erneut eingestellt wurde, sind die obigen Schritte 1 und 2 zu wiederholen.)

2. Einstellen der G-LCD-Anzeige

(A) Brennpunkteinstellung (Diese Einstellung nur auf weißer Leinwand vornehmen.)

1. Rechte und linke Brennpunkteinstellung (θY-Richtung).
   Die Sicherungsschrauben "b" und "c" lockern und einen exzentrischen Schraubendreher in die Kerbe und das Loch "b" einführen. Den Schraubendreher solange drehen, bis sich die linke und rechte Hälfte auf der Leinwand im Brennpunkt befinden.
   (Zuerst die rechte und linke Hälfte einstellen, dann die Präzision verbessern, indem die nachfolgende Einstellung (Nr. 2) durchgeführt. wird.)
2. Brennpunkteinstellung (oben - Mitte - unten) (θX- und Z-Richtung):
   Die Sicherungsschrauben "a" und "c" lockern und einen exzentrischen Schraubendreher in die Kerbe und das Loch "a" oder "c" einführen. Den Schraubendreher solange drehen, bis sich die obere Hälfte, die Mitte und die untere Hälfte im Brennpunkt befinden. Bei der Einstellung des Brennpunkts (oben nach unten) ist die Sicherungsschraube "b" vorübergehend festzuziehen, um die θY-Richtungseinstellung zu fixieren.
3. Die obigen Schritte 1 und 2 wiederholen, um den Brennpunkt feineinzustellen. Schließlich sämtliche Sicherungsschrauben gut festziehen.

Hinweis:

① Mit der Brennpunkteinstellung vorsichtig voranschreiten, da die Einstellpositionen in gegenseitigem Bezug zueinander stehen.

② Bei der Einstellung der Konvergenz und des Brennpunkts darauf achten, daß das Zoomobjektiv und die Einstellringe bis zur Beendigung aller Einstellungen nicht verstellt werden.

(B) Einstellung der Konvergenz

- Die G-LCD-Anzeige besitzt keinen Konvergenz-Einstellmechanismus. Diese Anzeige als Referenz für die Konvergenzeinstellung benutzen.

3. Einstellung der B-LCD-Anzeige (gleich wie für R-LCD-Anzeige)

(A) Brennpunkteinstellung

- Das gleiche Verfahren wie bei der Brennpunkteinstellung der G-LCD-Anzeige vornehmen. Es wird darauf hingewiesen, daß der Einstellbereich in Z-Richtung klein ist. Sollten die Konvergenzwerte zwischen der B-LCD-Anzeige und der G-LCD-Anzeige zu unterschiedlich sein, die Konvergenz zuerst grobeinstellen und dann die Brennpunkteinstellung vornehmen.

(B) Konvergenzeinstellung

- Für diese Einstellung ist ein Kreuzschraffier-Muster zu benutzen.
  Die Einstellung ist ausschließlich für die G-Farbe und die zutreffende Farbe.
  (1) Die Konvergenz-Sicherungsschraube "d" lockern.
  (2) Die Konvergenz-Sicherungsschraube "d" lockern.
  (3) Schließlich die Konvergenz-Sicherungsschraube "d" festziehen.

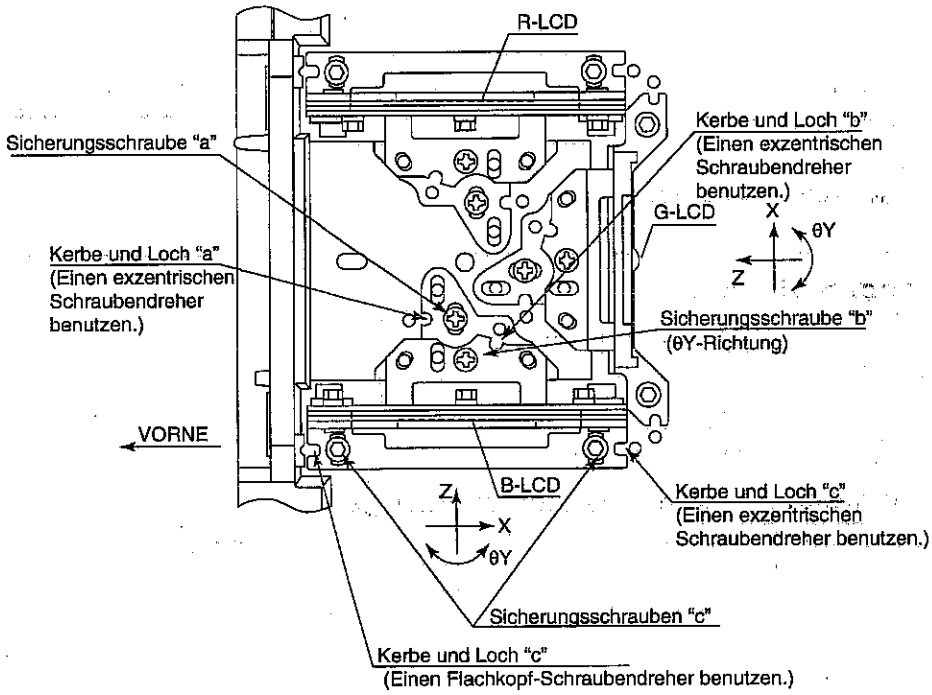
Hinweis:

① Der exzentrische Nocken wird für die Einstellung der Konvergenz benutzt. Das bedeutet daß sich der Nocken dreht und die Linearbewegung nicht immer gleichmäßig verläuft.

② Dieses Modell ist nicht mit einem LCD-Bildeinstellmechanismus ausgerüstst. Der Grund liegt in der Benutzung des zweifarbigen Prismas für die Bildformierung. Wenn alle LCD-Anzeigen optimal fokussiert sind, sind die Bilder fast vollständig konvergiert.

Konvergenz- und Brennpunkt-Einstellmechanismus

DRAUFSICHT



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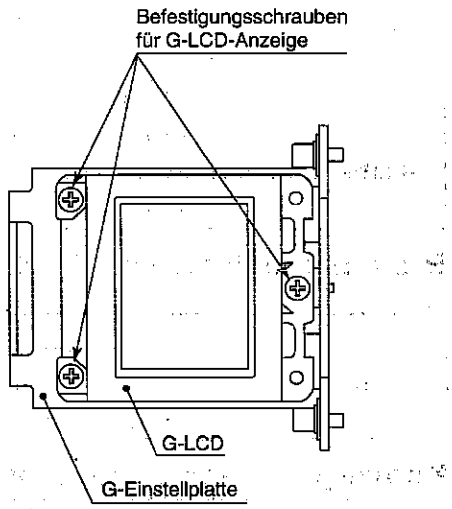

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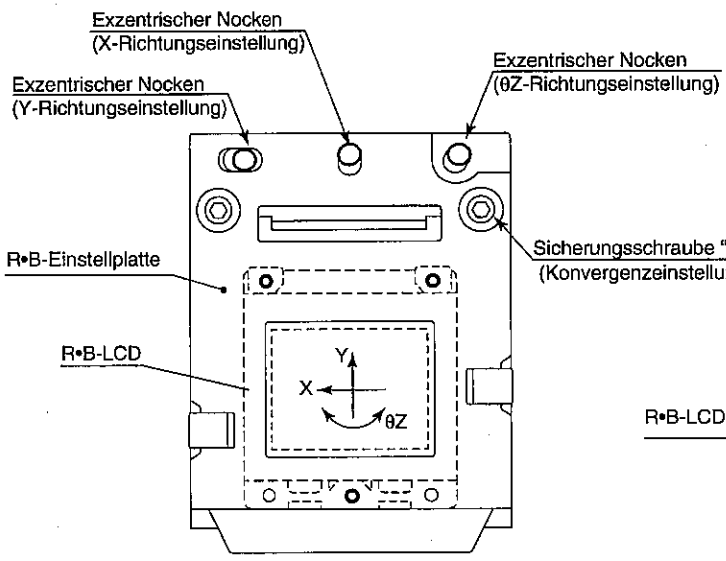

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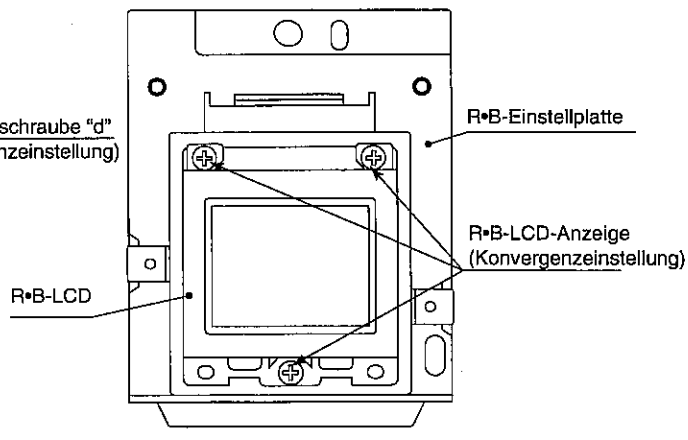


Konvergenz- und Brennpunkteinstellungen auf einen Blick

Einstellrichtungen

Einstellung	Richtung	Definition	Richtung der LCD-Anzeige
Konvergenz	X-Richtung		LCD rechts und links
	Y-Richtung		LCD oben und unten
	θZ-Richtung	Drehung um die Z-Achse	LCD-Drehachse
Brennpunkt	Z-Richtung		LCD, optische Achse
	θX-Richtung	Drehung um die X-Achse	LCD, oben bis unten (flattert)
	θY-Richtung	Drehung um die Y-Achse	LCD, rechts bis links (flattert)

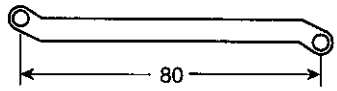
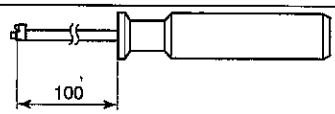
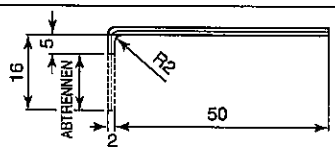
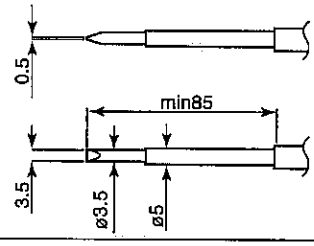
Konvergenz- und Brennpunkteinstellung für den Optikmechanismus XG-NV3

Farbe	Einstellung	Richtung	Bewegung	Position	Einstellwerkzeug	Sicherungsschraube	Festziehwerkzeug
R/B -Farben	Konvergenz	X-Richtung	±0.8mm	Exzentrischer Nocken	Einstellschlüssel für exzentrischen Nocken	d	Innensechskantschlüssel
		Y-Richtung	±0.8mm	Exzentrischer Nocken	Einstellschlüssel für exzentrischen Nocken	d	Innensechskantschlüssel
		θZ-Richtung	±1°	Exzentrischer Nocken	Einstellschlüssel für exzentrischen Nocken	d	Innensechskantschlüssel
	Brennpunkt	Z-Richtung	±0.8mm	Kerbe und Loch "a" und "c"	Exzentrischer Schraubendreher	a, c	Kreuzschlitz -Schraubendreher *Innensechskantschlüssel
		θX-Richtung	±1°	Kerbe und Loch "a" und "c"	Flachkopf-Schraubendreher	a, c	
		θY-Richtung	±1°	Kerbe und Loch "b" und "c"		b, c	
G-Farbe	Brennpunkt	Z-Richtung	±0.2mm	Gleich wie für R- und B-Farben			
		θX-Richtung	±1°				
		θY-Richtung	±1°				

Brennpunkteinstellung in die andere Richtung

Sicherungsschraube	Position	Zugehörige Richtung
a	Kerbe und Loch "a"	Richtungen Z und θX
b	Kerbe und Loch "b"	θY-Richtung
c	Kerbe und Loch "c"	Richtungen Z, θZ und θY

Konvergenz- und Brennpunkteinstellung sowie Festziehwerkzeuge

Werkzeug	Spezifisch oder allgemein	Werkzeugcode	Konfiguration
Exzentrischer Nockeneinstellschlüssel	spezifisch	9DASPN-XGNV1U	
Exzentrischer Schraubendreher	spezifisch	9EQDRiVER-NV1A	
Innensechskantschlüssel	allgemein (verändert)	9EQLNC-XGNV1U	
Flachkopf-Schraubendreher	allgemein	9EQDRiVER-NV1B	
Kreuzschlitz-Schraubendreher	allgemein	—	Für Linsenrundkopfschraube M2.6
* Innensechskantschlüssel	allgemein	—	Vorzugsweise einen Schraubendreher benutzen, der 70 mm oder länger ist.

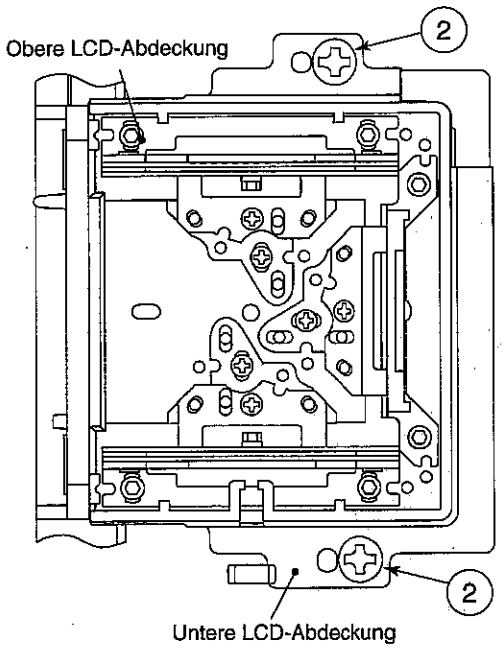
Auswechseln der Flüssigkristallanzeigen (LCDs)

Bei entferntem oberen Gehäuseteil

(1) Das LCD-Flachkabel vom Stecker der Ausgangsplatine abziehen.
(2) Die beiden Schrauben der unteren LCD-Abdeckung.
(3) Die Schrauben "b" und "c" losdrehen. Die R/B-Einstellscheibe oder die G-Einstellscheibe zusammen mit der LCD-Tafel abnehmen.
(4) Die LCD-Tafel von der Einstellscheibe trennen.
(5) Die neue LCD-Tafel in umgekehrter obiger Reihenfolge (1), (2), (3) und (4) wieder anbringen.

* Die Konvergenz und den Brennpunkt einstellen. Es wird darauf hingewiesen, daß die G LCD-Tafel keine Konvergenzeinstellung erfordert und einen kleinen Einstellbereich in Z-Richtung aufweist.

DRAUFSICHT



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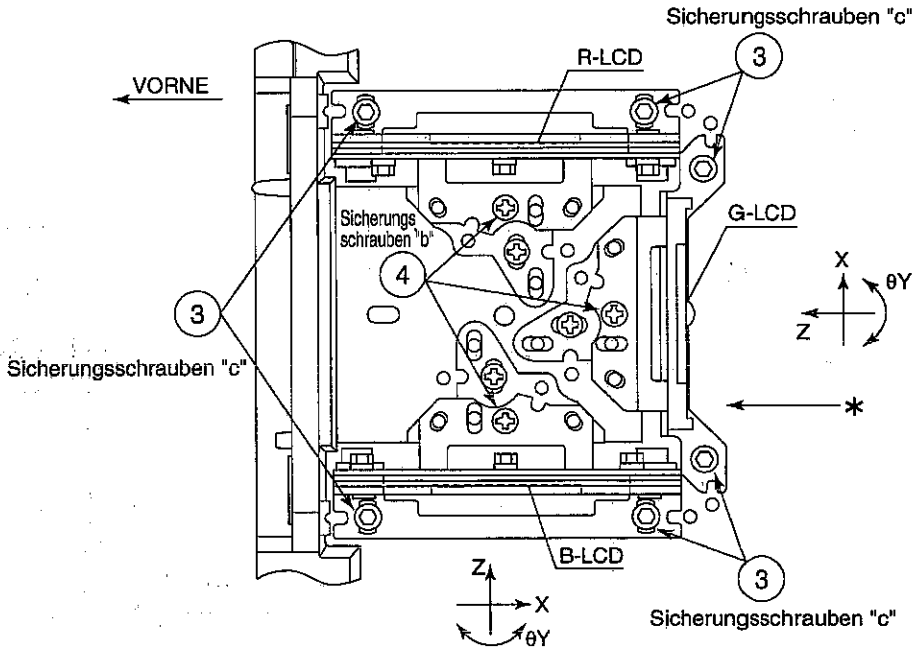

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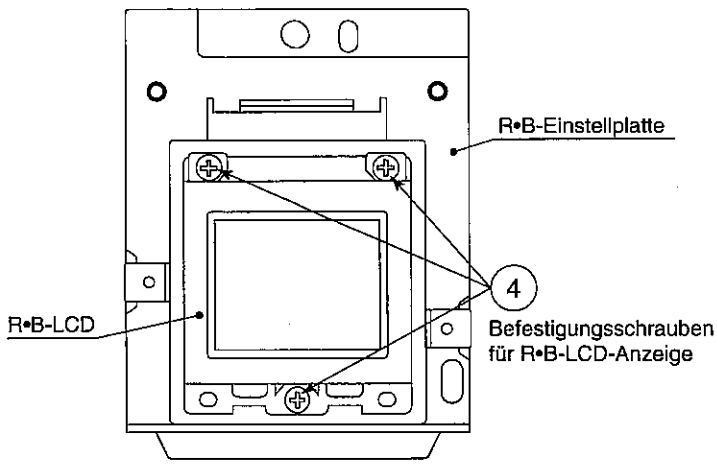

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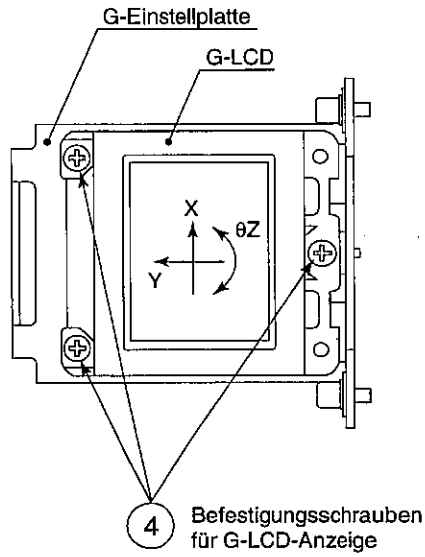
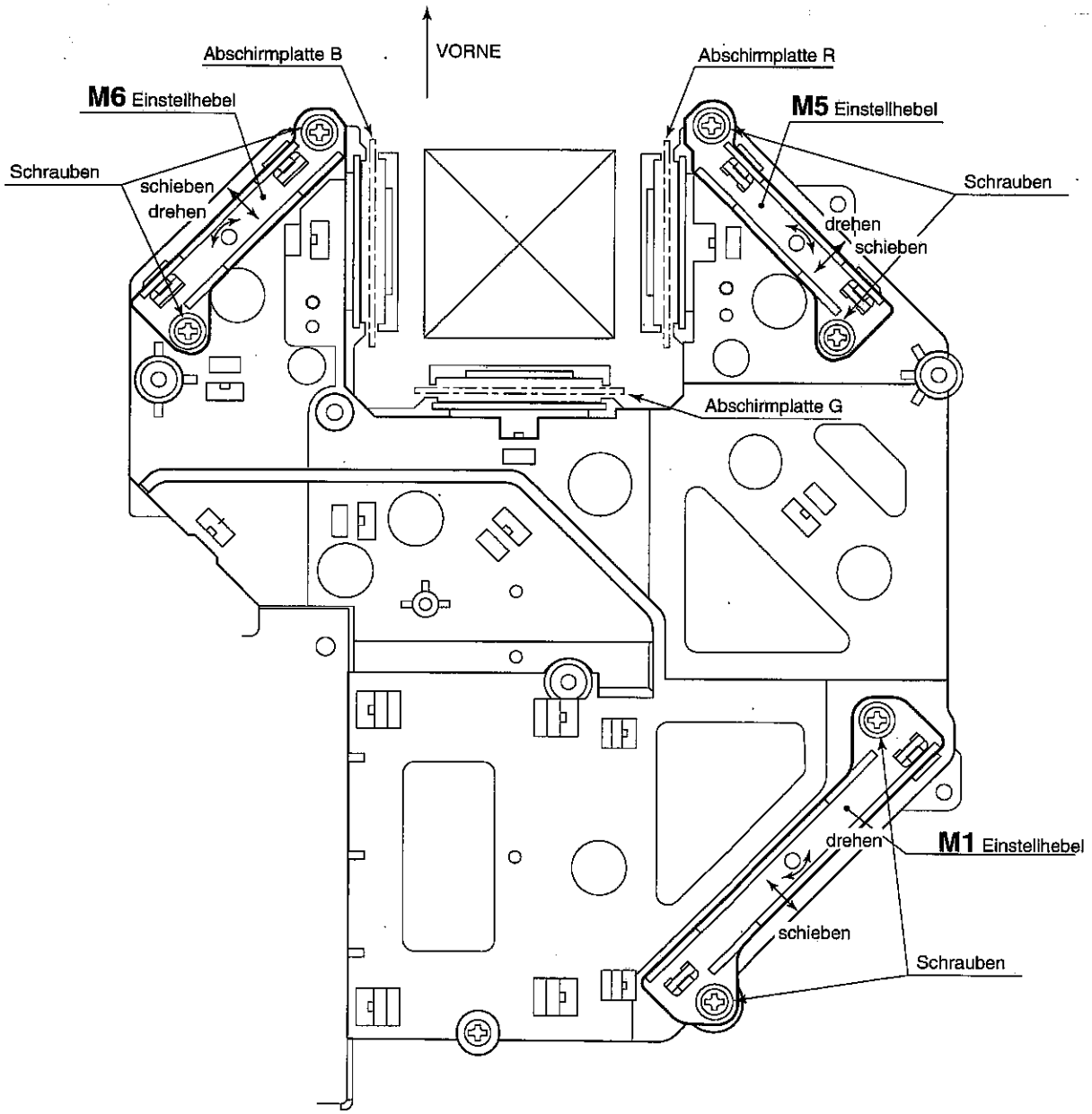


Einstellung der optischen Achse der Spiegel (M1, M5 und M6)

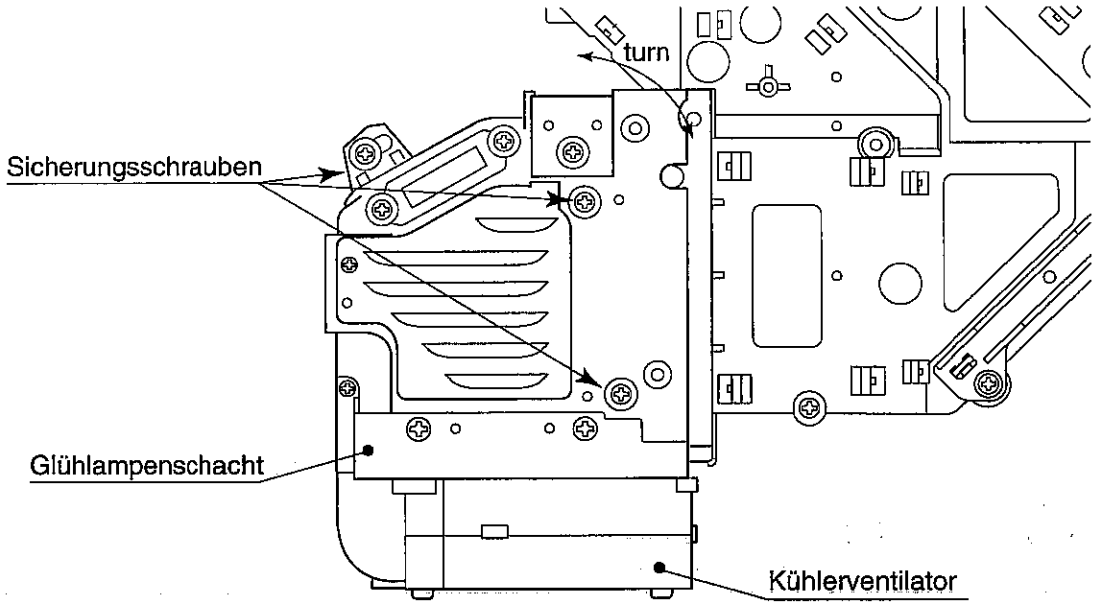
Die optische Achse muß nachjustiert werden, wenn mit den R-, G- oder B-Spiegeln eine Verdunkelung auftritt. Im allgemeinen wird diese Einstellung erforderlich, wenn irgendeine zur Optik zählende Komponente ausgewechselt wird.

Erforderliches Einstellverfahren, wenn eine der Platten ausgewechselt oder die Konvergenz eingestellt wurde:

(1) Die Flachkabel von allen LCD-Tafeln abziehen.
(2) Die Lampe einschalten.
(3) Um den G-Spiegel einzustellen, sind die R- und B-Spiegel mit Abschirmplatten abzudecken. (Um das Licht zu blockieren, kann eine Visitenkarte oder etwas ähnliches verwendet werden.)
(4) Die Schraube des M1-Einstellhebels lockern.
(5) Das G-Bild am Bildschirm betrachten und den M1-Einstellhebel soweit verschieben, bis die Abdunkelung am Bildschirm verschwindet. Danach die Schraube wieder festziehen.
(6) Um den R-Spiegel einzustellen, sind die G- und B-Spiegel mit Abschirmplatten abzudecken und der M5-Einstellhebel einzustellen. Für den B-Spiegel sind die R- und G-Spiegel mit dem M6-Einstellhebel einzustellen. (Die obigen Schritte 4 und 5 durchführen.)
(7) Alle Abschirmplatten entfernen, die weiß sind.
Sicherstellen, daß keine Verdunkelung vorherrscht.



Einstellen des Glühlampenschachts.



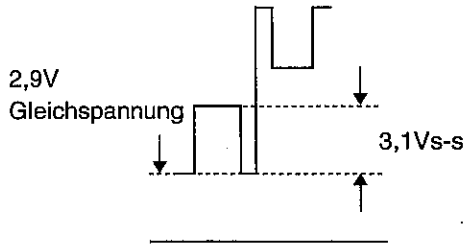
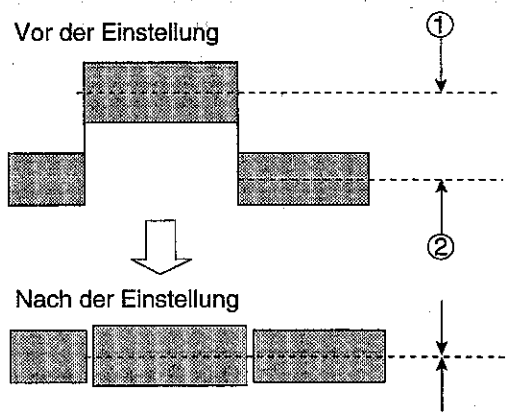
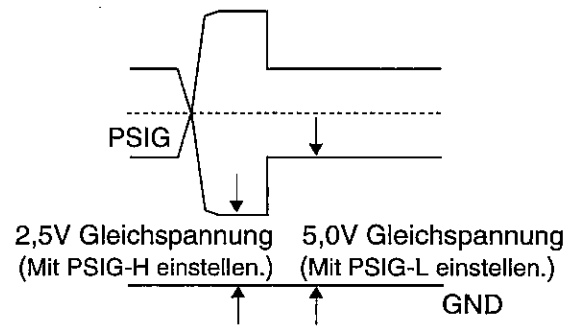
Diese Einstellung ist erforderlich, nachdem die Glühlampe ersetzt wurde und eine ungleichmäßige Abbildung erhalten wird (rechte und linke Seite am Bildschirm weisen eine Ungleichmäßigkeit auf).

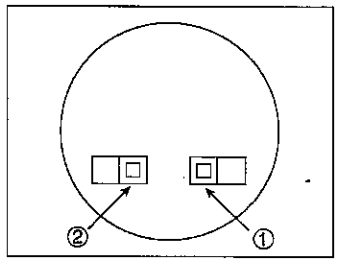
(1) Die Glühlampe einschalten.
(2) Ein Signal für das weiße Testmuster mit 100% zuführen.
(3) Die Sicherungsschrauben des Glühlampenschachts lösen.
(4) Die weiße Abbildung am Bildschirm beobachten und gleichzeitig den Glühlampenschacht drehen, bis eine optimale Gleichmäßigkeit am Bildschirm erhalten wird.
(5) Die Sicherungsschrauben des Glühlampenschachts wieder festziehen (Anzugsdrehmoment: 10 ± 2 kg-cm).

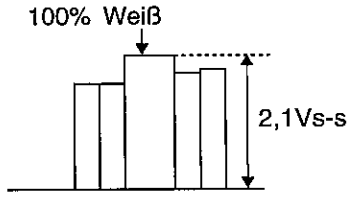
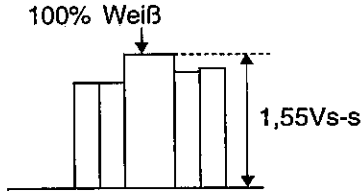
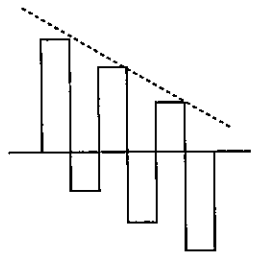
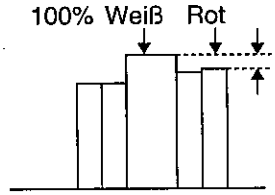
ELEKTRISCHE EINSTELLUNG

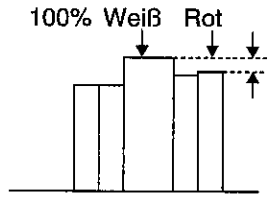
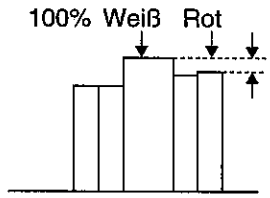
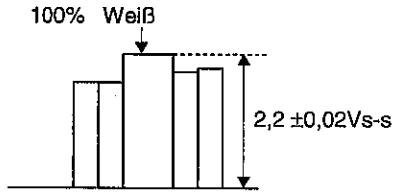
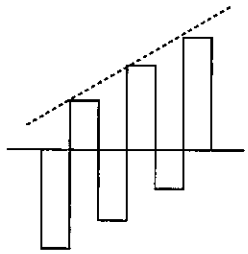
Einen Signalgenerator, PC oder Macintosh-Computer am Projektor anschließen, um die in den Einstellbedingungen spezifizierten Signale zuzuführen.

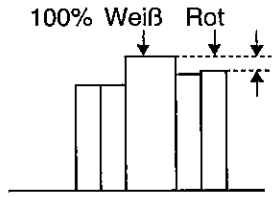
Nr.	Einstellposition	Einstellbedingung	Einstellverfahren
1	**EEPROM-Initialisierung**	1. Den Netzschalter einschalten und das Gerät für ca. 15 Minuten vorwärmen lassen. (Sicherstellen, daß die Kontrollampe aufleuchtet.)	• Folgende Einstellungen vornehmen: S5001 drücken, um den Verarbeitungsmodus abzurufen, und um S2 und S4 im SSS-Menü auszuführen. Das System ist nun initialisiert (PC-Platine nicht miteingeschlossen). S1 darf nicht ausgeführt werden, da die PC-Platine sonst initialisiert wird. Um die Platine einzustellen, die Vorschriften in "Einstellung der Platine" folgen. (Siehe seite 77)
2	**Einstellung der 3,3-V-Versorgungs spannung**	1. Den Netzschalter einschalten. 2. Einen Digital-Spannungsmesser mit TP8083 verbinden.	• VR704 so einstellen, daß am Spannungsmesser 3,300 V ± 100 mV angezeigt werden.
3	**Einstellung der 2,5-V-Versorgungs spannung**	1. Den Netzschalter einschalten. 2. Einen Digital-Spannungsmesser mit TP8082 verbinden.	• R705 so einstellen, daß am Spannungsmesser 2,600 V ± 50 mV angezeigt werden.
4	**R-Antrieb**	1. Den nachfolgenden Gegenstand wählen. Gruppe: Analog/Digital Gegenstand: GAIN Sicherstellen, das der GAIN-Wert 170 beträgt. 2. Das Rotsignal (100%) zuführen und die folgende Wahl treffen. Gruppe : Analog/Digital Gegenstand: R-D	• Die Regelschalter oder die Tasten auf der Fernbedienung betätigen und die Daten so einstellen, daß das Signal "bitlos" (Störung) wird.
5	**B-Antrieb**	1. Das Blausignal (100%) zuführen und die folgende Wahl treffen. Gruppe : Analog/Digital Gegenstand : B-D	• Die Regelschalter oder die Tasten auf der Fernbedienung betätigen und die Daten so einstellen, daß das Signal "bitlos" (Störung) wird.
6	**G-Antrieb**	1. Das Grünsignal (100%) zuführen und die folgende Wahl treffen. Gruppe : Analog/Digital Gegenstand : G-D	• Die Regelschalter oder die Tasten auf der Fernbedienung betätigen und die Daten so einstellen, daß das Signal "bitlos" (Störung) wird.
7	**Verstärkung**	1. Den nachfolgenden Gegenstand wählen. Gruppe: Analog/Digital Gegenstand: GAIN	• Den Verstärkungswert auf 170 einstellen.

Nr.	Einstellposition	Einstellbedingung	Einstellverfahren
8	**Schwarzpegel-Signalamplitude für RGB 1-System (ungeradzahlig)**	1. Die folgende Wahl treffen. Gruppe : OUTPUT 1 Gegenstand : R1-BLK R1-GAIN Für Grün sind die Gegenstände G1-BLK und G1-GAIN zu wählen. Für Schwarz sind die Gegenstände B1-BLK und B1-GAIN zu wählen. 2. Das Oszilloskop anschließen an TP1101 für Rot. TP1201 für Grün. TP1301 für Blau.	• Den Gegenstand R1-GAIN wählen und den Schwarz-Spitzenpegel auf 3,1 ±0,1 Vs-s Gleichspannung einstellen. Hierfür die Regelschalter oder die Tasten auf der Fernbedienung betätigen. • Danach den Gegenstand R1-BLK wählen und die Schwarzpegel-Signalamplitude auf 2,9 ±0,1 Vss Gleichspannung einstellen.  • Die gleichen Einstellungen für Grün und Blau vornehmen.
9	**Einstellung der Gegenspannung**	1. Ein 50%-Graumuster-Signal zuführen. 2. Den nachfolgenden Gegenstand wählen. Gruppe: OUTPUT2 Gegenstand: R-OFFSET Die Gegenstände G-OFFSET und B-OFFSET für die grünen bzw. blauen Farben wählen. 3. Das Prüfinstrument an TP1101 und TP1104 (R) anschließen. 4. Das Prüfinstrument an TP1201 und TP1204 (G) für Grün, und an TP1301 sowie TP1304 (B) für Blau anschließen.	• Die Position R-OFFSET wählen. Die Einstellung so durchführen, daß der Signalpegel im oberen Mittelbereich 1 und dem unteren Mittelbereich 2 der Ausgangswellenform am Bildschirm des Prüfinstruments identisch ist.  • Die gleichen Einstellungen für Grün und Blau vornehmen.
10	**P-SIGNAL**	1. Das Oszilloskop anschließen an TP1102 für Rot. TP1202 für Grün. TP1302 für Blau. 2. Die folgende Wahl treffen. Gruppe : OUTPUT 2 Gegenstand : PSIG-H PSIG-L	• Die PSIG-Wellenform so einstellen, daß sie der untenstehenden Abbildung entspricht.  • Sich vergewissern, daß die Wellenform der roten Farbe ungefähr der Wellenform für die grünen und blauen Farben entspricht.

Nr.	Einstellposition	Einstellbedingung	Einstellverfahren
11	**Muster- und Halteimpulsphase RCK-PHASE GCK-PHASE BCK-PHASE**	1. Das XGA-Schwarzwertsignal (75 Hz) zuführen. 2. Folgende Wahl vornehmen: Gruppe : OUTPUT 3 Gegenstand: SH-PHASE (Den Standardpegel auf 8 halten.) Die Phaseneinstellungen für R, G und B auf 8 fixieren.	• Die Einstellung mit den Regelschaltern oder den Fernbedienungstasten vornehmen. Dabei die Einstellung so durchführen, daß die "OUTPUT 3"-Zeichen nicht verschwommen sind bzw. überlappen. Wenn die Zeichen verschwommen sind oder überlappen, muß die Einstellung im Bereich zwischen 7 bis 9 ausgeführt werden.
12	**Einstellung der RGB-Gegenspannung**	1. Das 25%-Schwarz/Rot-Streifensignal (S-VGA) zuführen. 2. Folgende Wahl vornehmen: Gruppe : OUTPUT 3 Gegenstand : RC (R)	• Die Daten einstellen, um das Bildflimmern zu reduzieren. Hierfür die Regelschalter oder die Tasten auf der Fernbedienung betätigen. • Die gleiche Einstellung für BC (B) und GC (G) vornehmen. • Sicherstellen, daß beide Seiten rechts und links am Bildschirm mittig ausgerichtet sind. Falls dies nicht der Fall ist, muß der Bildschirm so eingestellt werden, daß das Bild rechts und links identisch ist.
13	**Regenerierung-seinstellung für RGB-Abstufung**	1. Das SMPTE-Signalmustersignal (nur Grün) zuführen.(XGA) Gruppe : OUTPUT 1 Gegenstand : G1-GAIN	• Die G-GAIN-Daten einstellen, bis die erste Abstufung ①(95% und 100% weiß; nachfolgend aufgeführt) geringfügig erkannt werden kann. Sicherstellen, daß die zweite Abstufung ②(0% und 5% schwarz) sichtbar ist. 
14	**RGB-Weißbalance**	1. Das Grauskalensignal (32 Abstufungen) zuführen (XGA 60Hz). 2. Folgende Wahl vornehmen: Gruppe : OUTPUT 1 Position : R1-BLK (R) R1-GAIN (R) B1-BLK (B) B1-GAIN (B)	• Die Daten für R1-BLK und B1-BLK für den Schwarzabgleich an der Grauskala einstellen. Danach die Daten für R1-GAIN und B1-GAIN für den Mitte-/Weißabgleich an der Grauskala einstellen. (Auf den optimalen Punkt einstellen.)
15	**Horizontal center**	1. Das NTSC-Monoskopsignal zuführen. 2. Gruppe : VIDEO 2 Gegenstand : N358-DLY (0) N443-DLY (0) PAL-DLY (0) SECAM-DLY (0) Sicherstellen, daß die Einstellungen richtigeingestellt sind. 3. Gruppe : VIDEO 1 Gegenstand : NTSC-H	• Die Daten einstellen, um den gleichen Überscan-Wert zu erzielen. Hierfür die Regelschalter oder die Tasten auf der Fernbedienung betätigen.

Nr.	Einstellposition	Einstellbedingung	Einstellverfahren
16	**Einstellung des Videobilds**	1. Das Trennfarbbalkensignal zuführen. Gruppe : VIDEO 1 Gegenstand : PICTURE 2. Ein Oszilloskop zwischen Stift (1) von P801 und GND anschließen.	• Die Schwarz-zu-Weiß Signalpegeldifferenz (100%) auf 2,1 ±0,02 Vs-s einstellen. Hierfür die Regelschalter oder die Tasten auf der Fernbedienung betätigen. 
17	**Video AVR**	1. Das Trennfarbbalkensignal zuführen. Gruppe : VIDEO 1 Gegenstand : AGC 2. Das Oszilloskop zwischen Stift (1) von P801 und GND anschließen.	• Die Schwarz-zu-Weiß Signalpegeldifferenz (100%) auf 1,55 ±0,02 Vs-s einstellen. Hierfür die Regelschalter oder die Tasten auf der Fernbedienung betätigen. 
18	**Einstellung der Bildhelligkeit**	1. Das Grundfrequenzsignal (Trennfarbbalkensignal) zuführen. Gruppe : VIDEO 1 Gegenstand : BRIGHT 2. Den Regelschalter oder die Stummschalttaste auf der Fernbedienung drücken, um die Gammakorrektur auf die Verarbeitungseinstellung einzustellen.	• Mit den Regelschaltern am Gerät oder über die Fernbedienung die Einstellung so lange vornehmen, bis das Schwarzsignal bitlos ist und dann den Wert auf den -2-Punkt einstellen.
19	**Farbton**	1. Das Trennfarbbalkensignal zuführen. Gruppe : VIDEO 1 Gegenstand : TINT 2. Das Oszilloskop am Stift (4) von P801 anschließen.	• Die Daten so einstellen, daß die -(B-Y)-Welle geradlinig abfällt. Hierfür die Regelschalter oder die Tasten auf der Fernbedienung betätigen. 
20	**NTSC-Farbsättigungspegel**	1. Das Trennfarbbalkensignal zuführen. Gruppe : VIDEO 1 Gegenstand : N-COLOR 2. Das Oszilloskop am Stift (1) von P801 anschließen.	• Die Differenz (100%) des Weiß- und Rotanteils auf 0,20 ±0,02 Vs-s einstellen. Hierfür die Regelschalter oder die Tasten auf der Fernbedienung betätigen. (wie bei 100% Weißpegel) 

Nr.	Einstellposition	Einstellbedingung	Einstellverfahren
21	**PAL-Farbsättigungspegel**	1. Das PAL-Farbbalkensignal zuführen. Gruppe : VIDEO 1 Gegenstand : P-COLOR 2. Das Oszilloskop am Stift (1) von P801 anschließen.	• Die Differenz (100%) des Weiß- und Rotanteils auf 0,36 ±0,02 Vs-s einstellen. Hierfür die Regelschalter oder die Tasten auf der Fernbedienung betätigen. 
22	**SECAM-Farbsättigungspegel**	1. Das SECAM-Farbbalkensignal zuführen. Gruppe : VIDEO 1 Gegenstand : S-COLOR 2. Das Oszilloskop am Stift (1) von P801 anschließen.	• Die Daten-Differenz (100%) des Weiß- und Rotanteils auf 0,50 ±0,02 Vs-s einstellen. Hierfür die Regelschalter oder die Tasten auf der Fernbedienung betätigen. 
23	**Video-Weißbalance**	1. Das NTSC-Monoskopsignal zuführen. Gruppe : VIDEO 2 Gegenstand : R1-GAIN B1-GAIN	• Mit den Regelschaltern am Gerät oder über die Fernbedienung die Einstellung so vornehmen, daß die gesamte Bildschirmfläche gleichmäßig unbunt erscheint.
24	**DVD-Kontrast**	1. Das Farbbalken-Signal des Komponentensignals 480I an der Eingangsklemme BNC G(Y) zuführen. 2. Den nachfolgenden Gegenstand wählen: Gruppe: DVD Gegenstand: CONTRAST (Kontrast) 3. Das Oszilloskop am Stift (1) von P803 anschließen.	• Unter Verwendung des Steuerschalters oder der Taste an der Fernbedienungseinheit die Amplitude zwischen Schwarz und 100% Weiß auf 2,2 ± 0,02 Vs-s einstellen. 
25	**DVD-Tönung**	1. Das Farbbalken-Signal des Komponentensignals 480I an den Eingangsklemmen BNC Y, Pb und Pr zuführen. Das Synchronisationssignal nur für das Y-Signal zuführen. 2. Den nachfolgenden Gegenstand wählen: Gruppe: DVD Gegenstand: TINT 3. Das Oszilloskop am Stift (2) von P803 anschließen.	• Unter Verwendung des Steuerschalters oder der Taste an der Fernbedienungseinheit die Wellenform für B-Y so einstellen, daß eine gleichmäßige Flanke erhalten wird. 

Nr.	Einstellposition	Einstellbedingung	Einstellverfahren
26	**DVD-Farbe**	1. Das Farbbalken-Signal des Komponentensignals 480I an den Eingangsklemmen BNC G(Y), Pb und Pr zuführen. Das Synchronisationssignal nur für das Y-Signal zuführen. 2. Den nachfolgenden Gegenstand wählen: Gruppe : DVD Gegenstand : COLOR 3. Das Oszilloskop am Stift (1) von P803 anschließen.	• Die Pegeldifferenz zwischen den 100% weißen und roten Bereichen auf 0,15 ± 0,02 Vs-s einstellen. 
27	**Korrigieren der Farbabwei chungsposition**	1. Ein RGB-Farbsignal (nur grau) zuführen (XGA 60 Hz). 2. Die Farbabweichungsposition am Bildschirm bestimmen. 3. Gruppe : NOKO Gegenstand : NOKO-RL	• Wenn Farbabweichungen vorhanden sind, die Daten für NOKO-RL einstellen. Für Abweichungen auf der rechten Seite ist R einzustellen, während L zum Einjustieren der linken Seite dient. • Wenn keine Farbabweichungen bestehen, die Sägezahnkorrektur unter Verwendung von SW4201 deaktivieren.
28	**Korrigieren der Farbabwei-chungsverstärkung (im Falle von Farbabweichungen)**	1. Ein RGB-Farbsignal (nur grau) zuführen (XGA 60 Hz).	• R4215 einstellen, um die rechten und linken Farbabweichungen auf einen Mindestwert zu reduzieren.
29	**Leistungsprüfung des Farbsystems**	1. Das Farbbalkensignal empfangen.	• Im Verarbeitungsmodus L1 anwählen. Die Farbe und die Tönung überprüfen.
30	**Leistungsprüfung des Videosystems**	1. Das Monoskopsignal empfangen.	• Im Verarbeitungsmodus L2 anwählen. Die Farbe und die Tönung überprüfen.
31	**Leistungsprüfung des Audiosystems**		• Im Verarbeitungsmodus L3 anwählen. Baß, Höhen und Balance überprüfen.
32	**RGB-Leistungsprüfung**	1. Das RGB-Signal empfangen.	• Im Verarbeitungsmodus L4 anwählen. Bild, Helligkeit, Rot, Blau, Takt, Phase, Horizontal- und Vertikalposition überprüfen.
33	**Leistungsprüfung Off-Timer**		• Im Verarbeitungsmodus OFF anwählen. Sicherstellen, daß der Off-Timer bei "5" (Minuten) beginnt, jede Minute in 1 sec Intervallen herunterzählt und das Gerät bei "0" ausschaltet.

Nr.	Einstellposition	Einstellbedingung	Einstellverfahren
34	**Thermistor-Leistungsprüfung**	1. Den Thermistor mit einem Fön erwärmen.	• Sicherstellen, daß "TEMP" angezeigt wird.
35	**Automatische Synchronisierung**	1. Das PHASE-Prüfmustersignal empfangen.	• Den VGA/S-VGA/XGA/SXGA/UXGA-Modus einschalten und sicherstellen, daß Taktung und Phase sowie Horizontal- und Vertikalposition automatisch einstellbar sind.
36	**IrDA-Leistungsprüfung**		• Sich vergewissern, daß das IrDA-Signal empfangen werden kann.
37	**Überprüfung der Trapezentzerrungskorrektur**		• Sich vergewissern, daß die Trapezentzerrungskorrektur einwandfrei funktioniert.
38	**Werkseinstellungen**		• Folgende Einstellungen durchführen: Verarbeitungseinstellung: S4 Fernbedienungseinstellung: "Werkseinstellung 4"

EINSTELLUNG DER PC-SCHNITTSTELLE (CPCi-0035CE02. PC I/F Einheit)

1. Einstellen des Oszilloskops

Das Gerät auf einen Bereich zwischen DC 1 V/div und 5m/div einstellen.

2. Anschließen der PC-Schnittstelle

1) Die Schnittstelle (PC I/F) einsetzen und sich vergewissern, daß die Stecker CON2, CON3 und CON4 fest eingeschoben wurden.
2) Das Kabel zwischen dem Ausgangsanschluß ANALOG OUTPUT (am PC) und der DSUB-Buchse (INPUT1 des Projektors) verbinden.
3) Den Eingangswahlschalter des Projektors auf die Position INPUT1 stellen. Sich vergewissern, daß sich der Wahlschalter Dsub/BNC auf der Dsub-Position befindet.
4) Am PC den XGA-Modus aktivieren (1024 x 768, 60 Hz, 32-Stufenskala). Die Ausgangsamplitude auf 700 mVs-s (75-Ohm-Abschluß) für die Schwarz-/Weißbereiche einstellen.
5) Die Stromversorgung einschalten.

3. Einstellen und Überprüfen des Pegels

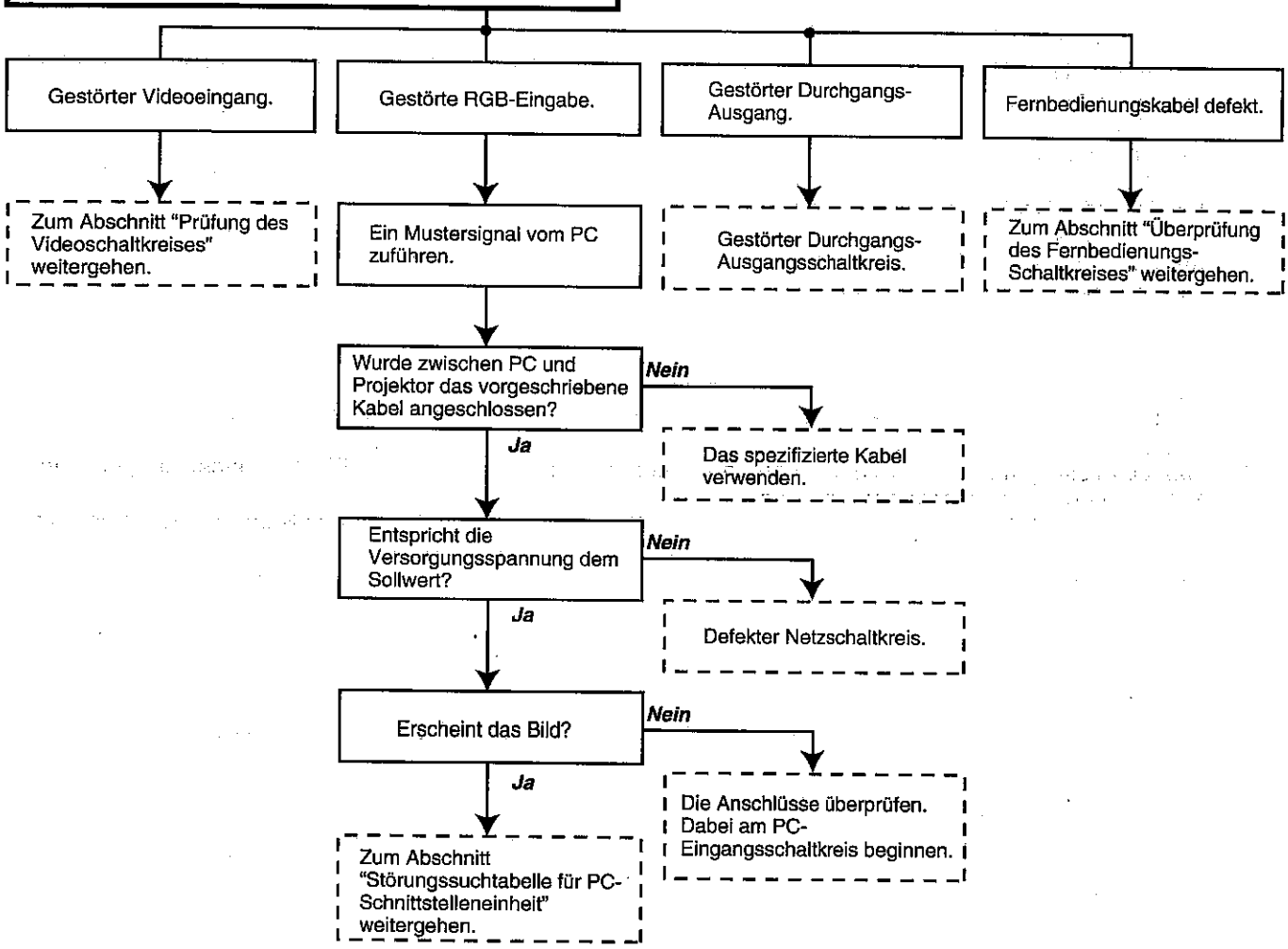
1) Den Schalter S5001 drücken, um den Verarbeitungsmodus aufzurufen.
2) SH-PHASE am OUTPUT3-Menü auf 8 einstellen. (Die am Bildschirm abgebildeten Zeichen müssen klar und deutlich abgegrenzt sein.)
3) Das Oszilloskop mit TP2 verbinden, dann die Daten für M-BRIGHT von OUTPUT2 so einstellen, daß der Schwarzpegel des Signals 1,9 V beträgt.
4) Die Daten für R-BRIGHT von A/D so einstellen, daß der Schwarzpegel des Signals an TP1 1,9 V beträgt.
5) Die Daten für B-BRIGHT von A/D so einstellen, daß der Schwarzpegel des Signals an TP2 1,9 V beträgt.
6) Sich vergewissern, daß die GAIN-Daten am A/D-Menü einen Wert von 155 aufweisen.

4. Einstellen des DTV

1) Den Schalter auf die BNC-Eingangsklemme von INPUT1 einstellen.
2) Den Signaltyp der Anwendermenü-Option für die Komponente bestimmen.
3) Das Y-Signal von 480P dem Eingangsanschluß G(Y) zuführen. Die Signale R(Pr) und B(Pb) deaktiviert lassen.
4) Den Spannungsmesser mit TP1 verbinden, dann die B-BRIGHT-Daten des DTV auf 2,65±0,02 V einstellen.
5) Den Spannungsmesser mit TP3 verbinden, dann die R-BRIGHT-Daten des DTV auf 2,65±0,02 V einstellen.
6) Zum Schluß den Schalter S5001 erneut drücken, um den Verarbeitungsmodus zu verlassen.

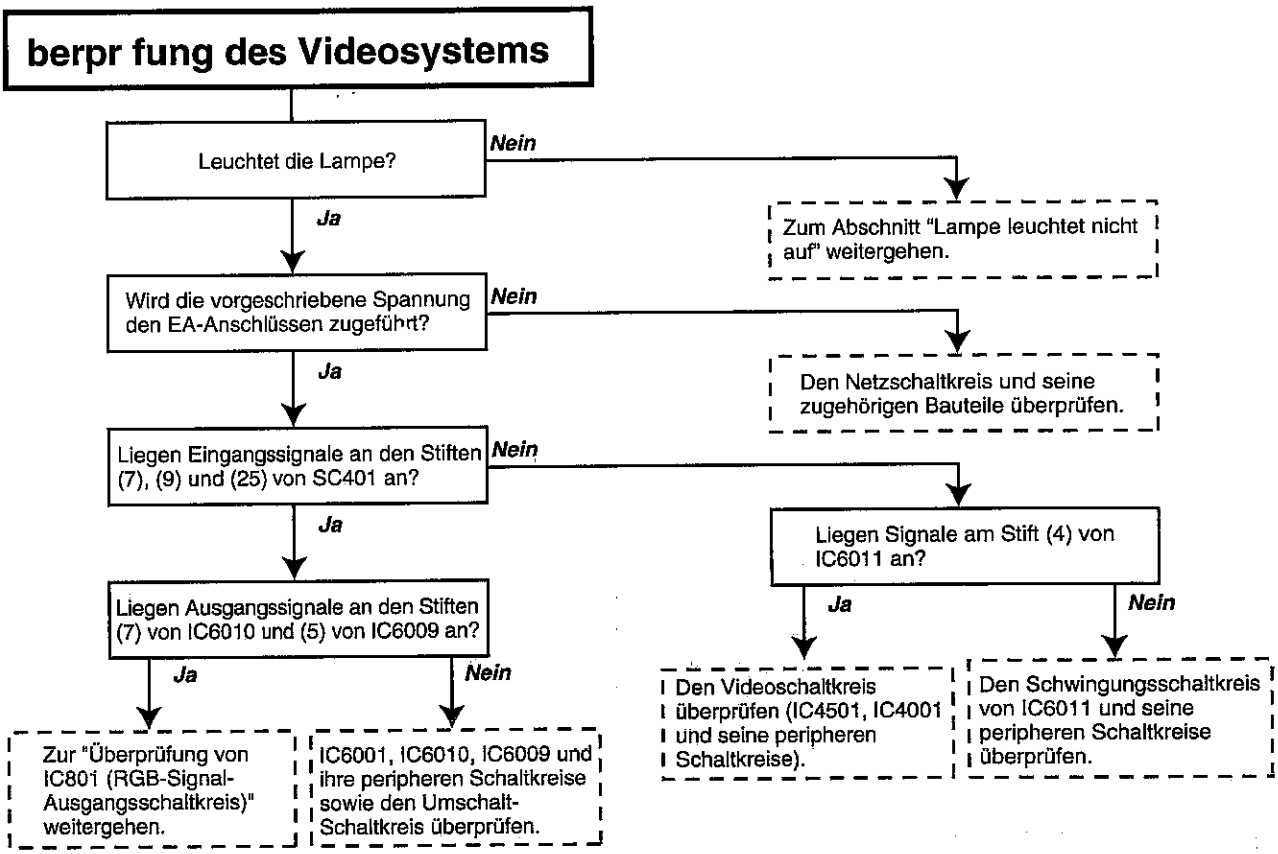
FEHLERSUCHTABELLE

Überprüfung der Platinenleistung

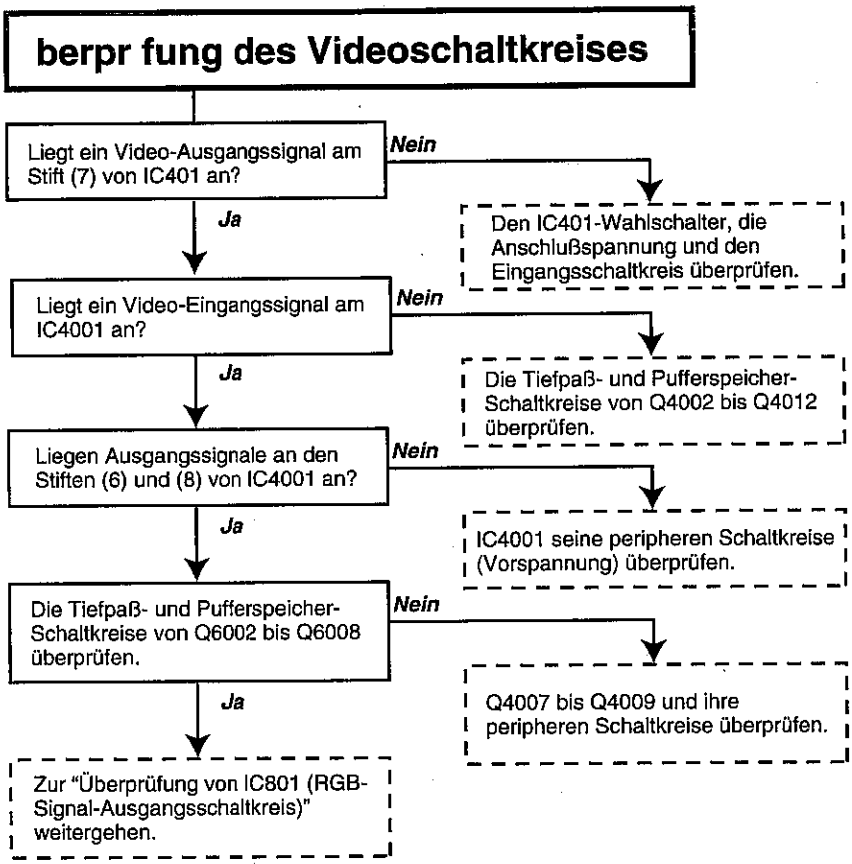


FEHLERSUCHTABELLE (Fortsetzung)

berpr fung des Videosystems

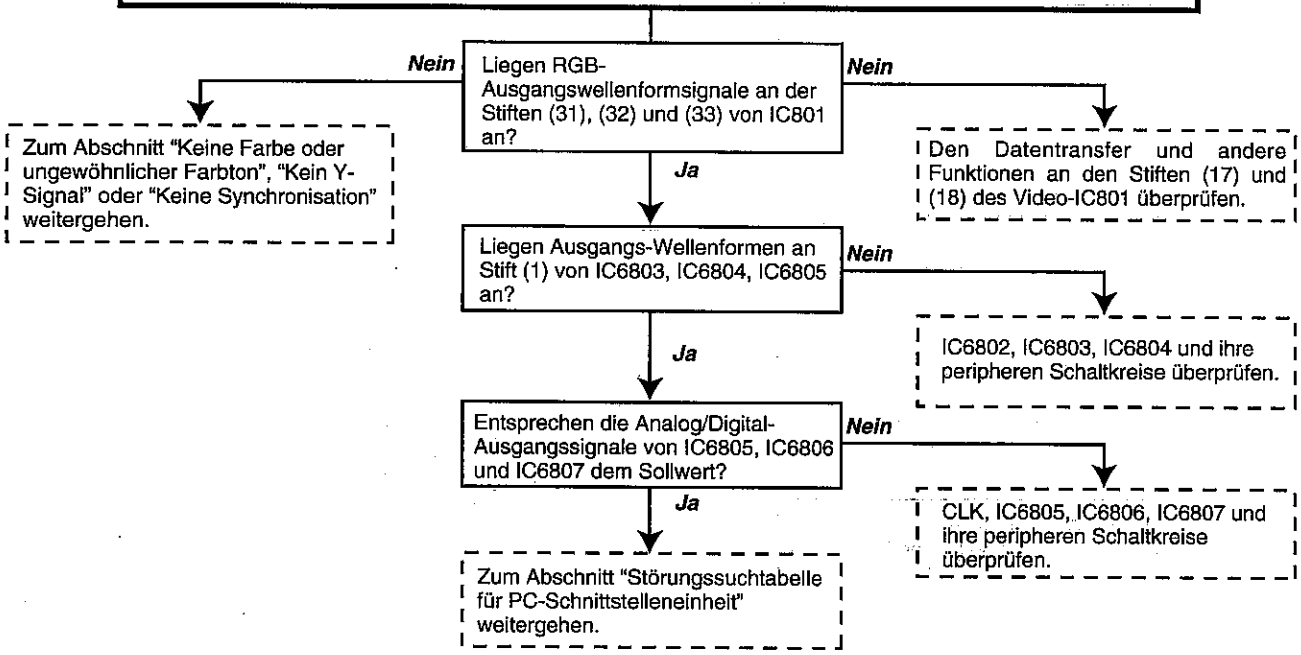

Leuchtet die Lampe?
Nein
Ja
Zum Abschnitt "Lampe leuchtet nicht auf" weitergehen.
Wird die vorgeschriebene Spannung den EA-Anschlüssen zugeführt?
Nein
Ja
Den Netzschaltkreis und seine zugehörigen Bauteile überprüfen.
Liegen Eingangssignale an den Stiften (7), (9) und (25) von SC401 an?
Nein
Ja
Liegen Signale am Stift (4) von IC6011 an?
Ja
Nein
Liegen Ausgangssignale an den Stiften (7) von IC6010 und (5) von IC6009 an?
Ja
Nein
Den Videoschaltkreis überprüfen (IC4501, IC4001 und seine peripheren Schaltkreise).
Den Schwingungsschaltkreis von IC6011 und seine peripheren Schaltkreise überprüfen.
Zur "Überprüfung von IC801 (RGB-Signal-Ausgangsschaltkreis)" weitergehen.
IC6001, IC6010, IC6009 und ihre peripheren Schaltkreise sowie den Umschalt-Schaltkreis überprüfen.

berpr fung des Videoschaltkreises

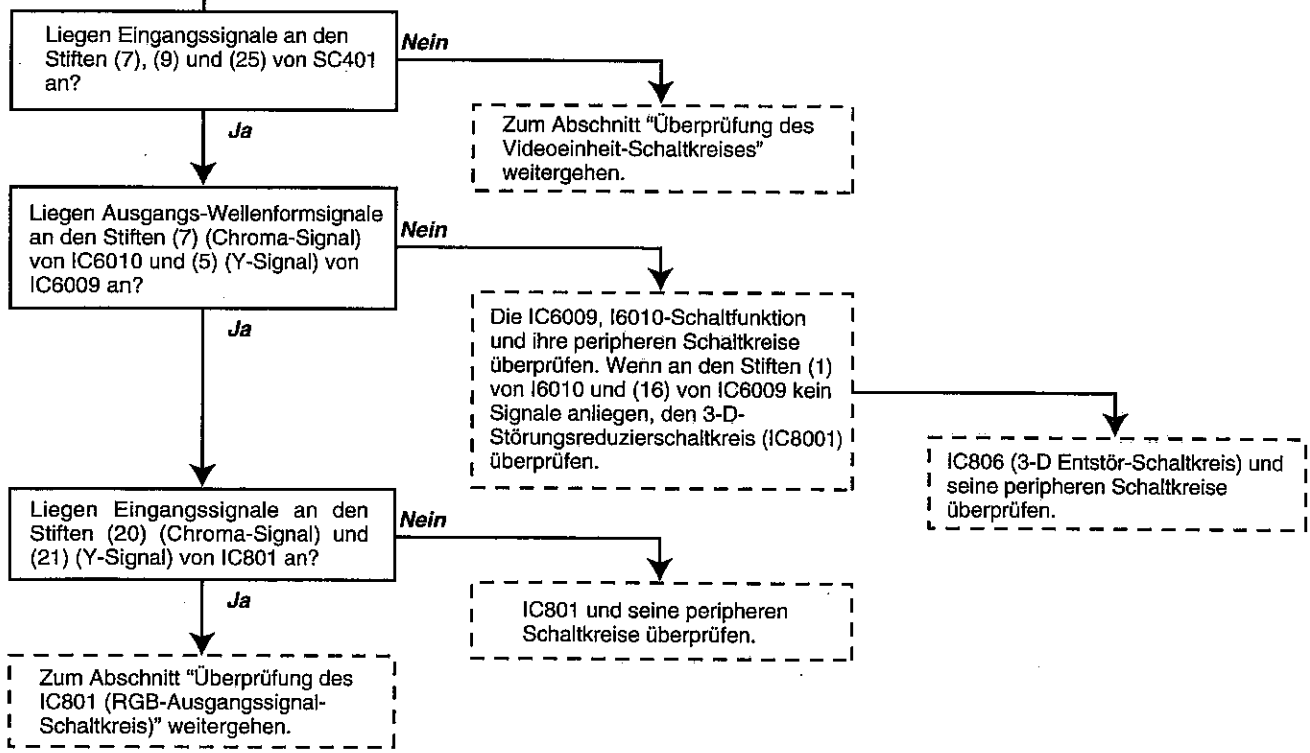

Liegt ein Video-Ausgangssignal am Stift (7) von IC401 an?
Nein
Ja
Den IC401-Wahlschalter, die Anschlußspannung und den Eingangsschaltkreis überprüfen.
Liegt ein Video-Eingangssignal am IC4001 an?
Nein
Ja
Die Tiefpaß- und Pufferspeicher-Schaltkreise von Q4002 bis Q4012 überprüfen.
Liegen Ausgangssignale an den Stiften (6) und (8) von IC4001 an?
Nein
Ja
IC4001 seine peripheren Schaltkreise (Vorspannung) überprüfen.
Die Tiefpaß- und Pufferspeicher-Schaltkreise von Q6002 bis Q6008 überprüfen.
Nein
Ja
Q4007 bis Q4009 und ihre peripheren Schaltkreise überprüfen.
Zur "Überprüfung von IC801 (RGB-Signal-Ausgangsschaltkreis)" weitergehen.

FEHLERSUCHTABELLE (Fortsetzung)

berpr fung des IC801 (RGB-Signal-Ausgangsschaltkreis)

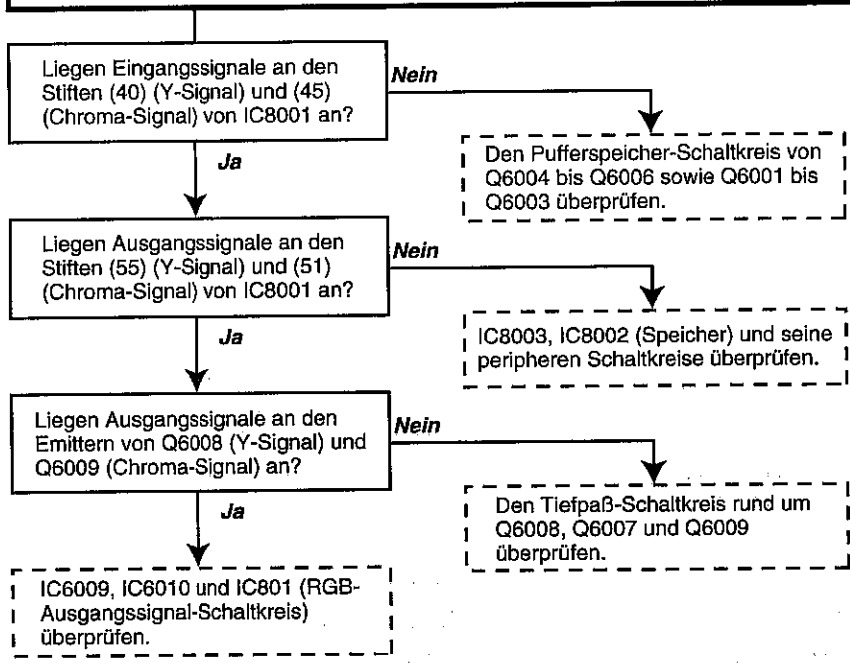

Liegen RGB-Ausgangswellenformsignale an der Stiften (31), (32) und (33) von IC801 an?
Nein
Zum Abschnitt "Keine Farbe oder ungewöhnlicher Farbton", "Kein Y-Signal" oder "Keine Synchronisation" weitergehen.
Nein
Den Datentransfer und andere Funktionen an den Stiften (17) und (18) des Video-IC801 überprüfen.
Ja
Liegen Ausgangs-Wellenformen an Stift (1) von IC6803, IC6804, IC6805 an?
Nein
IC6802, IC6803, IC6804 und ihre peripheren Schaltkreise überprüfen.
Ja
Entsprechen die Analog/Digital-Ausgangssignale von IC6805, IC6806 und IC6807 dem Sollwert?
Nein
CLK, IC6805, IC6806, IC6807 und ihre peripheren Schaltkreise überprüfen.
Ja
Zum Abschnitt "Störungssuchtabelle für PC-Schnittstelleneinheit" weitergehen.

berpr fung der Chroma- und Y-Signale des IC801 (RGB-Signalausgabe)

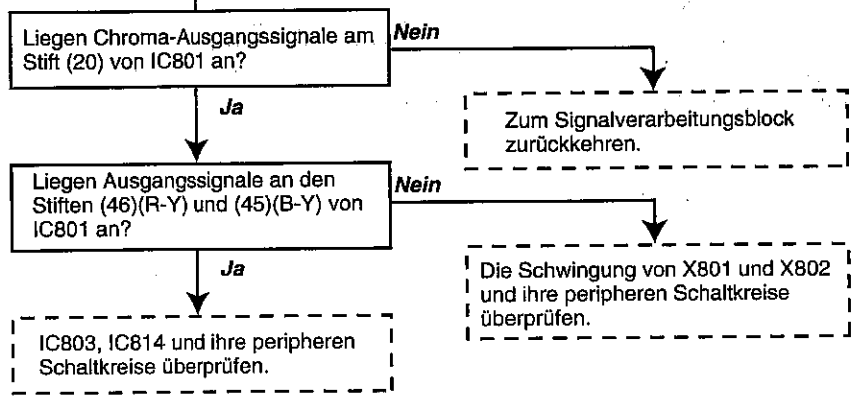

Liegen Eingangssignale an den Stiften (7), (9) und (25) von SC401 an?
Nein
Zum Abschnitt "Überprüfung des Videoeinheit-Schaltkreises" weitergehen.
Ja
Liegen Ausgangs-Wellenformsignale an den Stiften (7) (Chroma-Signal) von IC6010 und (5) (Y-Signal) von IC6009 an?
Nein
Die IC6009, I6010-Schaltfunktion und ihre peripheren Schaltkreise überprüfen. Wenn an den Stiften (1) von I6010 und (16) von IC6009 kein Signale anliegen, den 3-D-Störungsreduzierschaltkreis (IC8001) überprüfen.
IC806 (3-D Entstör-Schaltkreis) und seine peripheren Schaltkreise überprüfen.
Ja
Liegen Eingangssignale an den Stiften (20) (Chroma-Signal) und (21) (Y-Signal) von IC801 an?
Nein
IC801 und seine peripheren Schaltkreise überprüfen.
Ja
Zum Abschnitt "Überprüfung des IC801 (RGB-Ausgangssignal-Schaltkreis)" weitergehen.

FEHLERSUCHTABELLE (Fortsetzung)

Überprüfung des IC806 (3-D Störungs-Reduzierschaltkreis) und seiner peripheren Schaltkreise

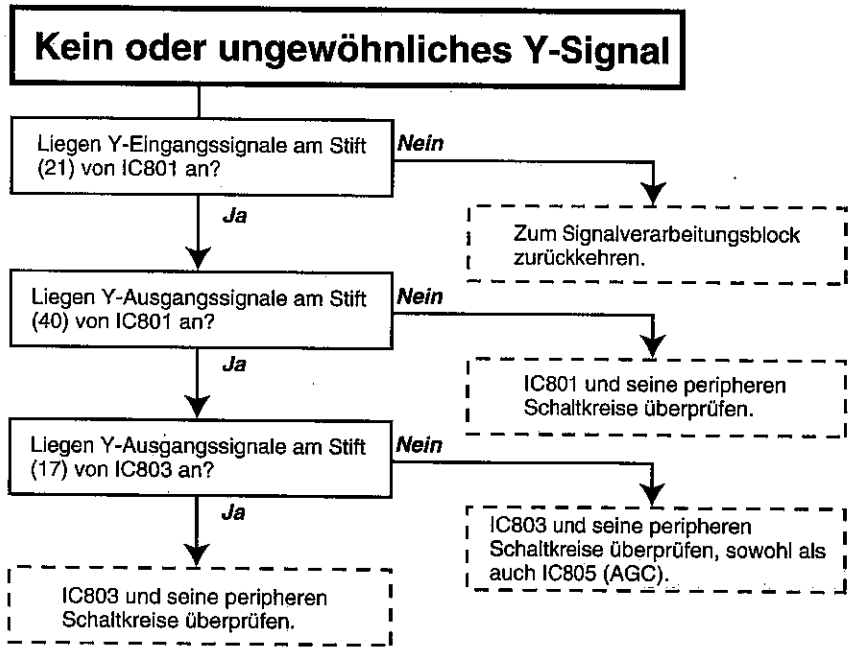

Liegen Eingangssignale an den Stiften (40) (Y-Signal) und (45) (Chroma-Signal) von IC8001 an?
Nein
Den Pufferspeicher-Schaltkreis von Q6004 bis Q6006 sowie Q6001 bis Q6003 überprüfen.
Ja
Liegen Ausgangssignale an den Stiften (55) (Y-Signal) und (51) (Chroma-Signal) von IC8001 an?
Nein
IC8003, IC8002 (Speicher) und seine peripheren Schaltkreise überprüfen.
Ja
Liegen Ausgangssignale an den Emittern von Q6008 (Y-Signal) und Q6009 (Chroma-Signal) an?
Nein
Den Tiefpaß-Schaltkreis rund um Q6008, Q6007 und Q6009 überprüfen.
Ja
IC6009, IC6010 und IC801 (RGB-Ausgangssignal-Schaltkreis) überprüfen.

Keine Farbe oder ungewöhnlicher Farbton (NTSC, PAL)

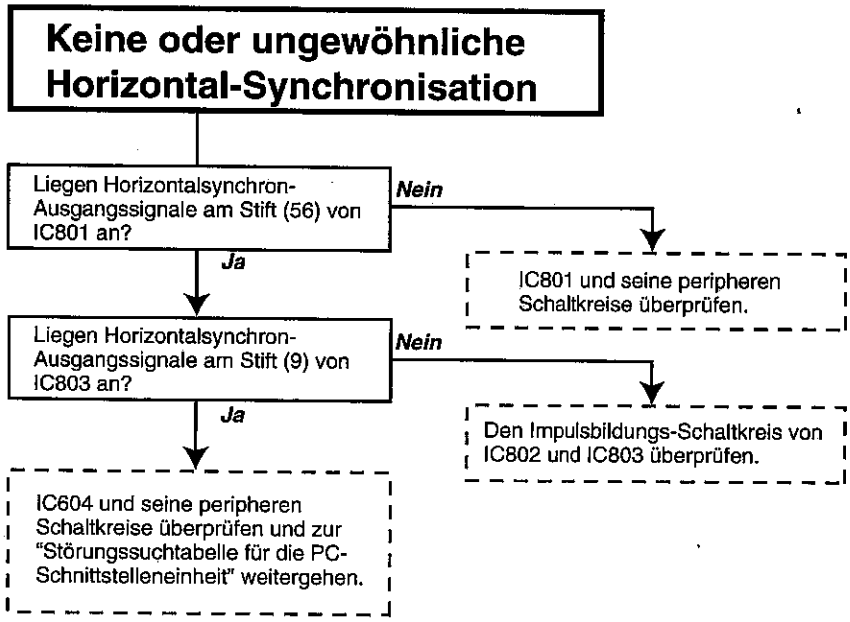

Liegen Chroma-Ausgangssignale am Stift (20) von IC801 an?
Nein
Zum Signalverarbeitungsblock zurückkehren.
Ja
Liegen Ausgangssignale an den Stiften (46)(R-Y) und (45)(B-Y) von IC801 an?
Nein
Die Schwingung von X801 und X802 und ihre peripheren Schaltkreise überprüfen.
Ja
IC803, IC814 und ihre peripheren Schaltkreise überprüfen.

FEHLERSUCHTABELLE (Fortsetzung)

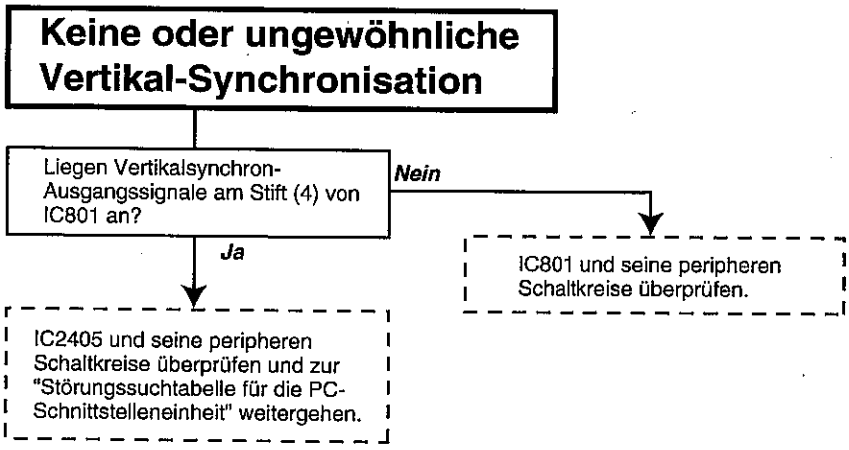
Kein oder ungewöhnliches Y-Signal


Liegen Y-Eingangssignale am Stift (21) von IC801 an?
Nein
Ja
Zum Signalverarbeitungsblock zurückkehren.
Liegen Y-Ausgangssignale am Stift (40) von IC801 an?
Nein
Ja
IC801 und seine peripheren Schaltkreise überprüfen.
Liegen Y-Ausgangssignale am Stift (17) von IC803 an?
Nein
Ja
IC803 und seine peripheren Schaltkreise überprüfen, sowohl als auch IC805 (AGC).
IC803 und seine peripheren Schaltkreise überprüfen.

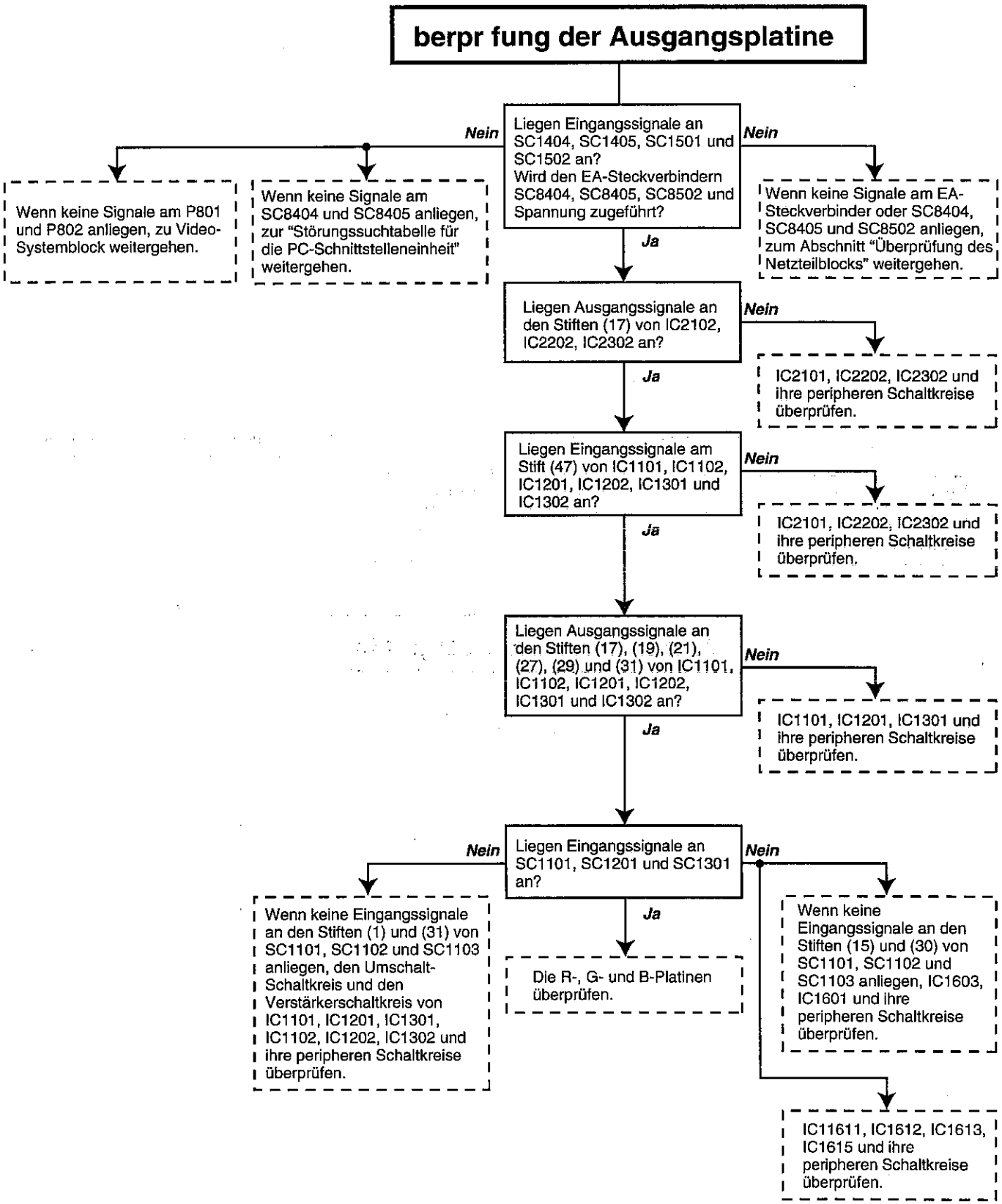
Keine oder ungewöhnliche Horizontal-Synchronisation


Liegen Horizontalsynchron-Ausgangssignale am Stift (56) von IC801 an?
Nein
Ja
IC801 und seine peripheren Schaltkreise überprüfen.
Liegen Horizontalsynchron-Ausgangssignale am Stift (9) von IC803 an?
Nein
Ja
Den Impulsbildungs-Schaltkreis von IC802 und IC803 überprüfen.
IC604 und seine peripheren Schaltkreise überprüfen und zur "Störungssuchtabelle für die PC-Schnittstelleneinheit" weitergehen.

Keine oder ungewöhnliche Vertikal-Synchronisation

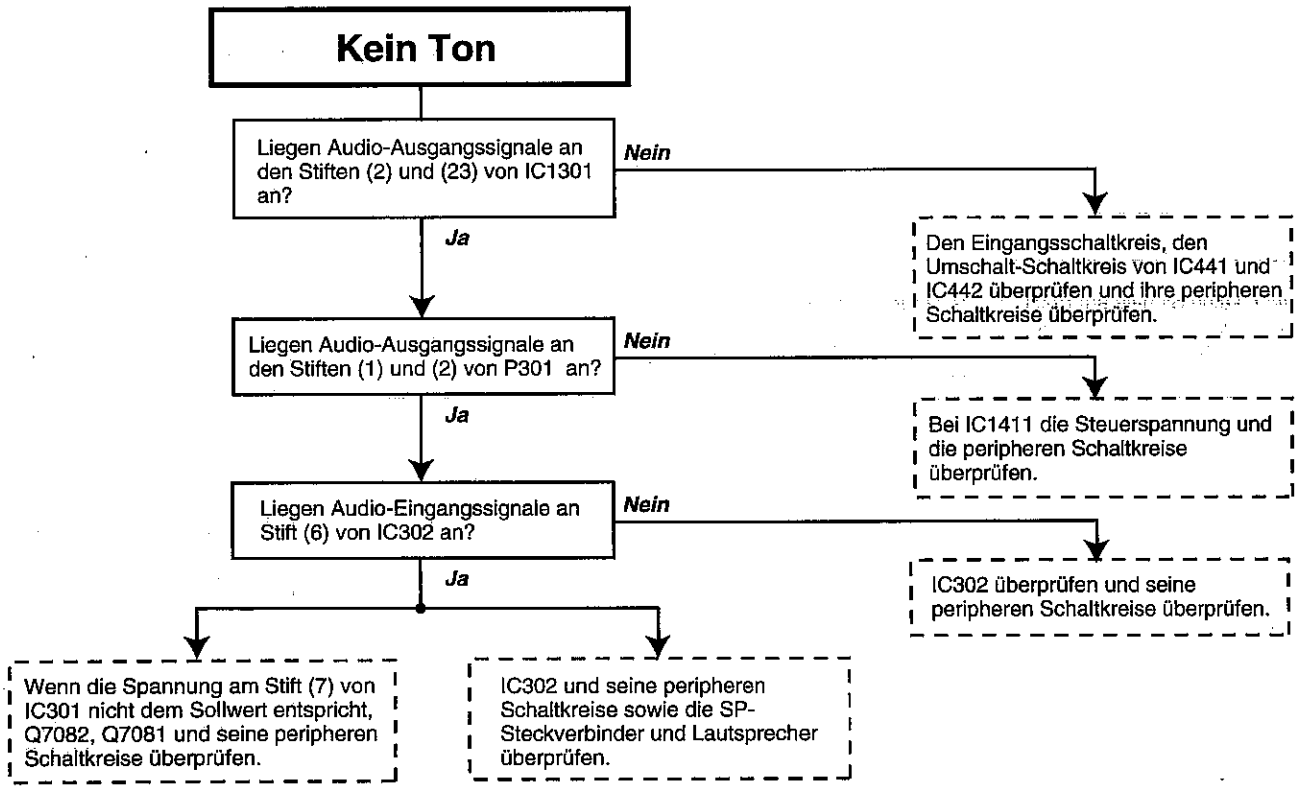

Liegen Vertikalsynchron-Ausgangssignale am Stift (4) von IC801 an?
Nein
Ja
IC801 und seine peripheren Schaltkreise überprüfen.
IC2405 und seine peripheren Schaltkreise überprüfen und zur "Störungssuchtabelle für die PC-Schnittstelleneinheit" weitergehen.

FEHLERSUCHTABELLE (Fortsetzung)

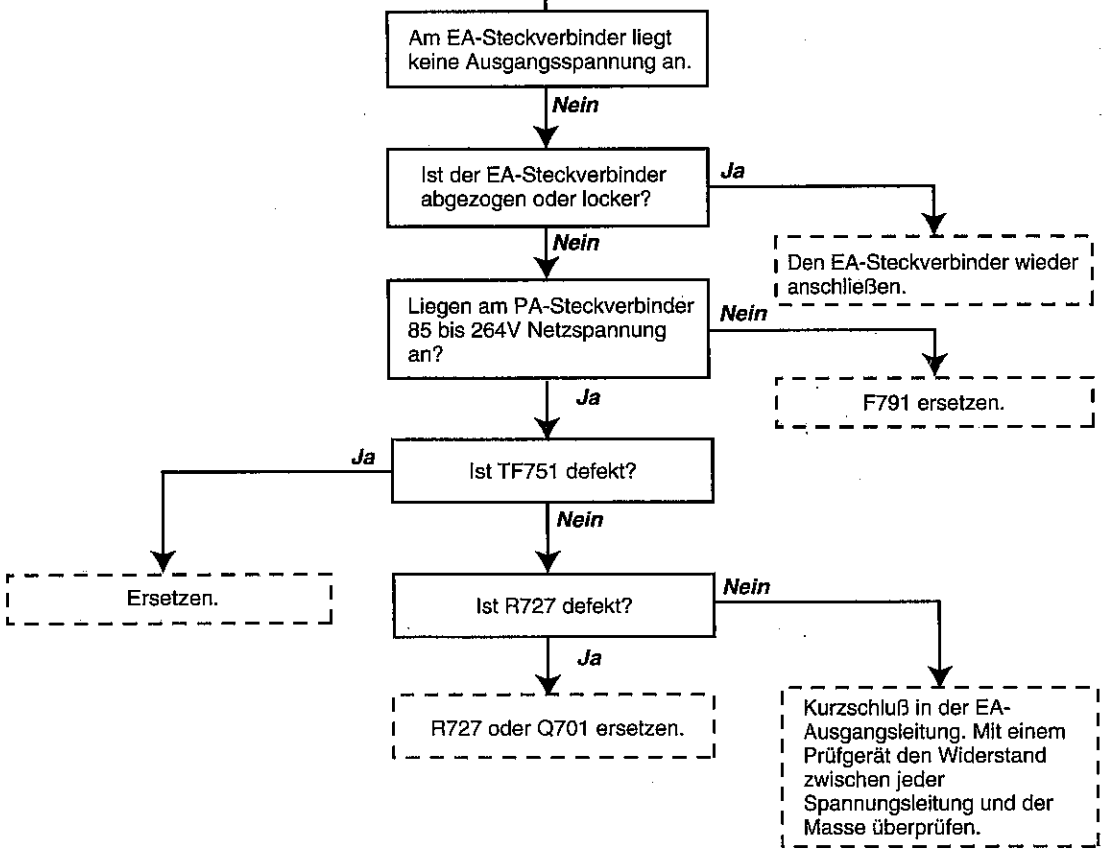

berpr fung der Ausgangsplatine
Liegen Eingangssignale an SC1404, SC1405, SC1501 und SC1502 an? Wird den EA-Steckverbindern SC8404, SC8405, SC8502 und Spannung zugeführt?
Nein
Wenn keine Signale am P801 und P802 anliegen, zu Video-Systemblock weitergehen.
Wenn keine Signale am SC8404 und SC8405 anliegen, zur "Störungssuchtabelle für die PC-Schnittstelleneinheit" weitergehen.
Nein
Wenn keine Signale am EA-Steckverbinder oder SC8404, SC8405 und SC8502 anliegen, zum Abschnitt "Überprüfung des Netzteilblocks" weitergehen.
Ja
Liegen Ausgangssignale an den Stiften (17) von IC2102, IC2202, IC2302 an?
Nein
IC2101, IC2202, IC2302 und ihre peripheren Schaltkreise überprüfen.
Ja
Liegen Eingangssignale am Stift (47) von IC1101, IC1102, IC1201, IC1202, IC1301 und IC1302 an?
Nein
IC2101, IC2202, IC2302 und ihre peripheren Schaltkreise überprüfen.
Ja
Liegen Ausgangssignale an den Stiften (17), (19), (21), (27), (29) und (31) von IC1101, IC1102, IC1201, IC1202, IC1301 und IC1302 an?
Nein
IC1101, IC1201, IC1301 und ihre peripheren Schaltkreise überprüfen.
Ja
Liegen Eingangssignale an SC1101, SC1201 und SC1301 an?
Nein
Wenn keine Eingangssignale an den Stiften (1) und (31) von SC1101, SC1102 und SC1103 anliegen, den Umschalt-Schaltkreis und den Verstärkerschaltkreis von IC1101, IC1201, IC1301, IC1102, IC1202, IC1302 und ihre peripheren Schaltkreise überprüfen.
Ja
Die R-, G- und B-Platinen überprüfen.
Nein
Wenn keine Eingangssignale an den Stiften (15) und (30) von SC1101, SC1102 und SC1103 anliegen, IC1603, IC1601 und ihre peripheren Schaltkreise überprüfen.
IC11611, IC1612, IC1613, IC1615 und ihre peripheren Schaltkreise überprüfen.

FEHLERSUCHTABELLE (Fortsetzung)

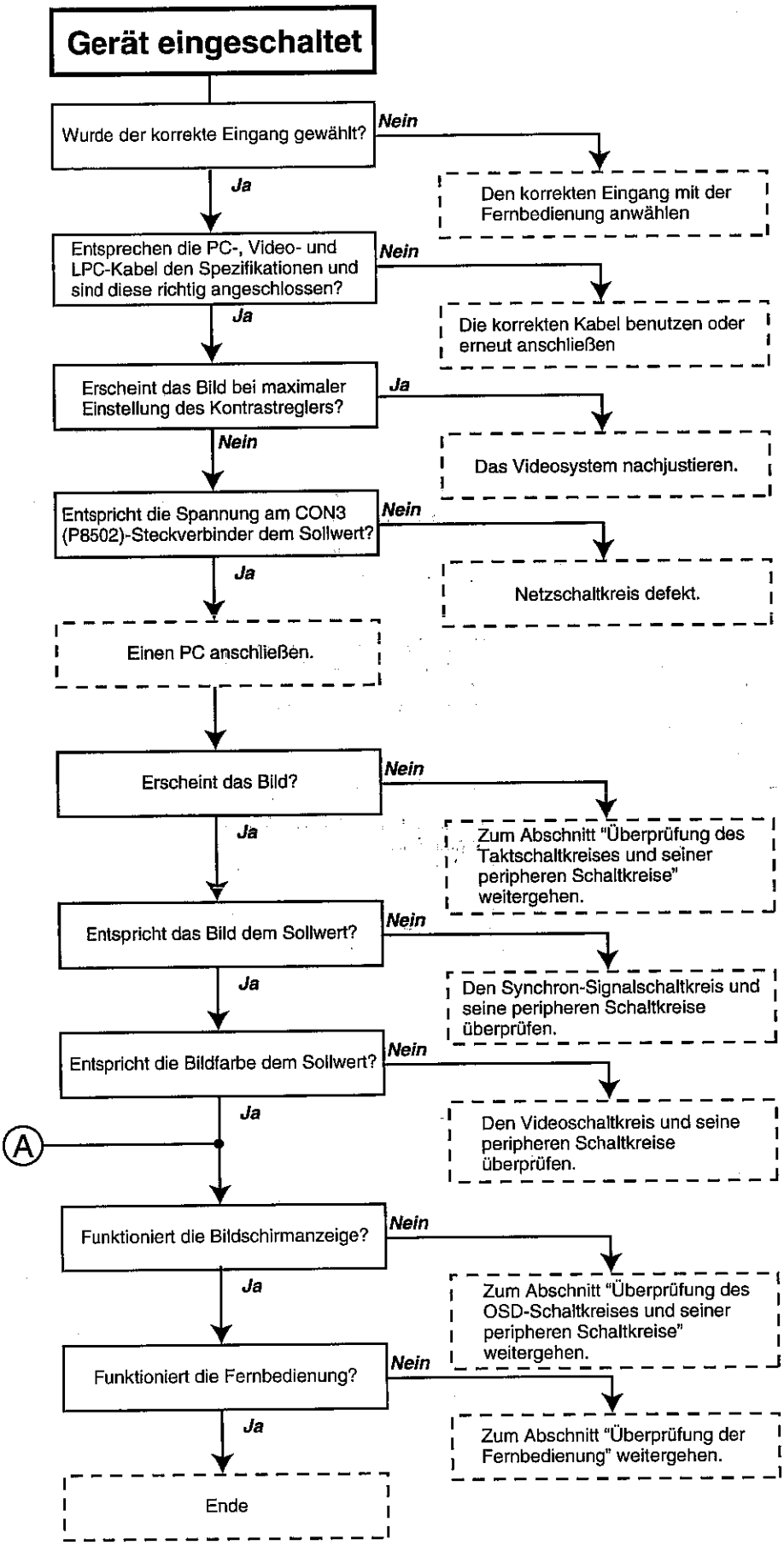
Kein Ton


Liegen Audio-Ausgangssignale an den Stiften (2) und (23) von IC1301 an?
Nein
Ja
Den Eingangsschaltkreis, den Umschalt-Schaltkreis von IC441 und IC442 überprüfen und ihre peripheren Schaltkreise überprüfen.
Liegen Audio-Ausgangssignale an den Stiften (1) und (2) von P301 an?
Nein
Ja
Bei IC1411 die Steuerspannung und die peripheren Schaltkreise überprüfen.
Liegen Audio-Eingangssignale an Stift (6) von IC302 an?
Nein
Ja
IC302 überprüfen und seine peripheren Schaltkreise überprüfen.
Wenn die Spannung am Stift (7) von IC301 nicht dem Sollwert entspricht, Q7082, Q7081 und seine peripheren Schaltkreise überprüfen.
IC302 und seine peripheren Schaltkreise sowie die SP-Steckverbinder und Lautsprecher überprüfen.

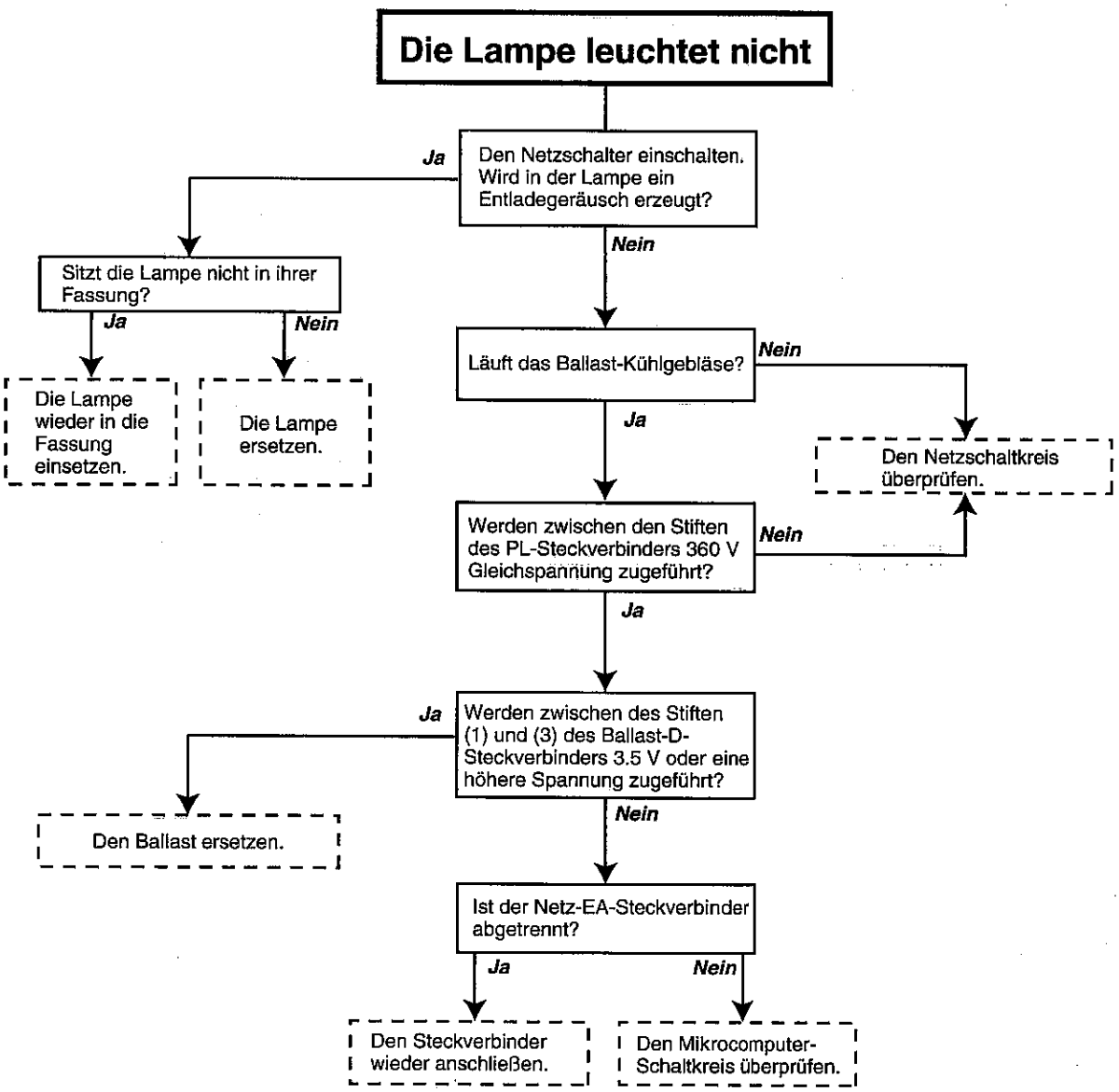
Überprüfung des Netzgeräts



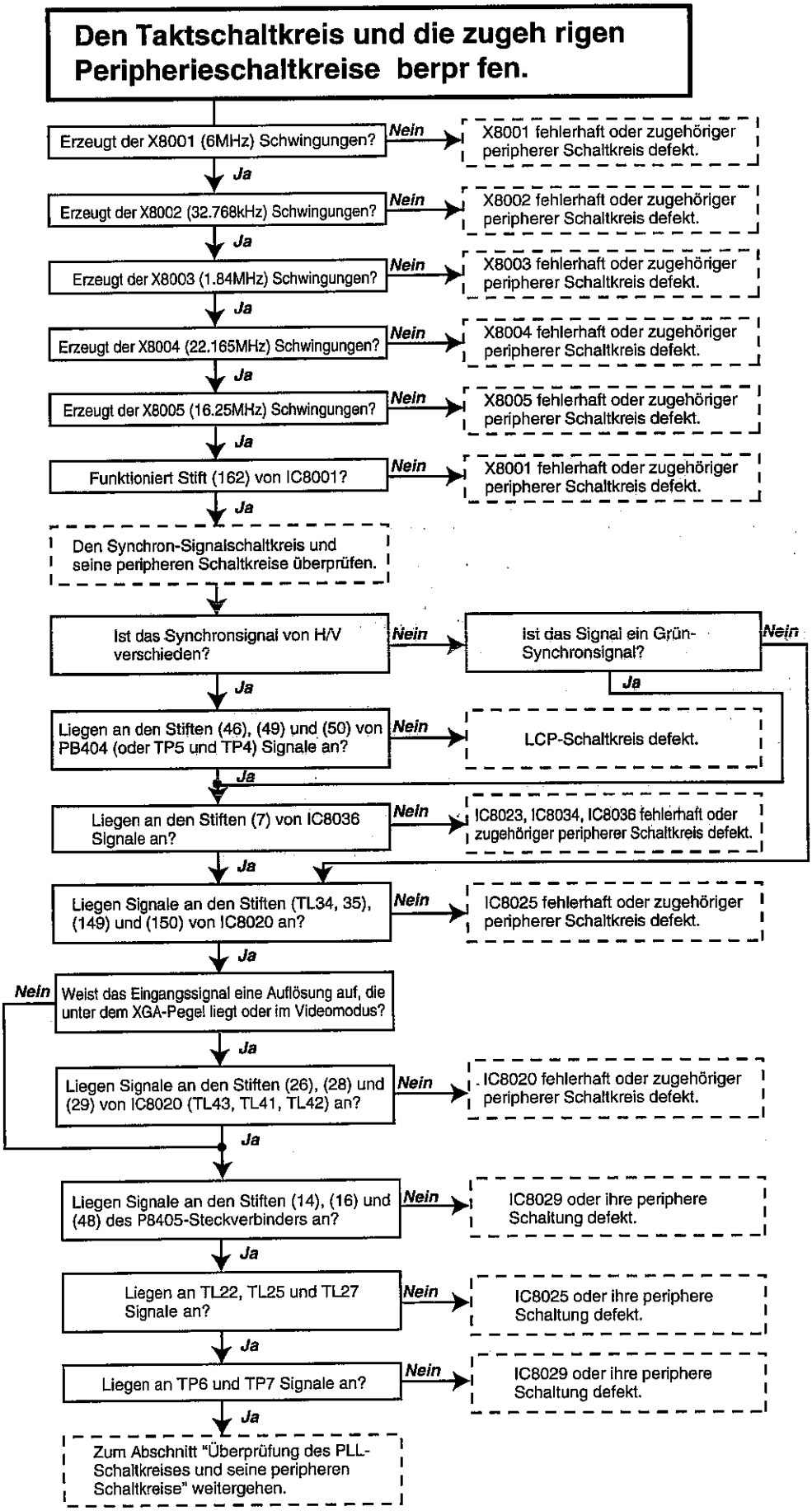
FEHLERSUCHTABELLE (Fortsetzung)



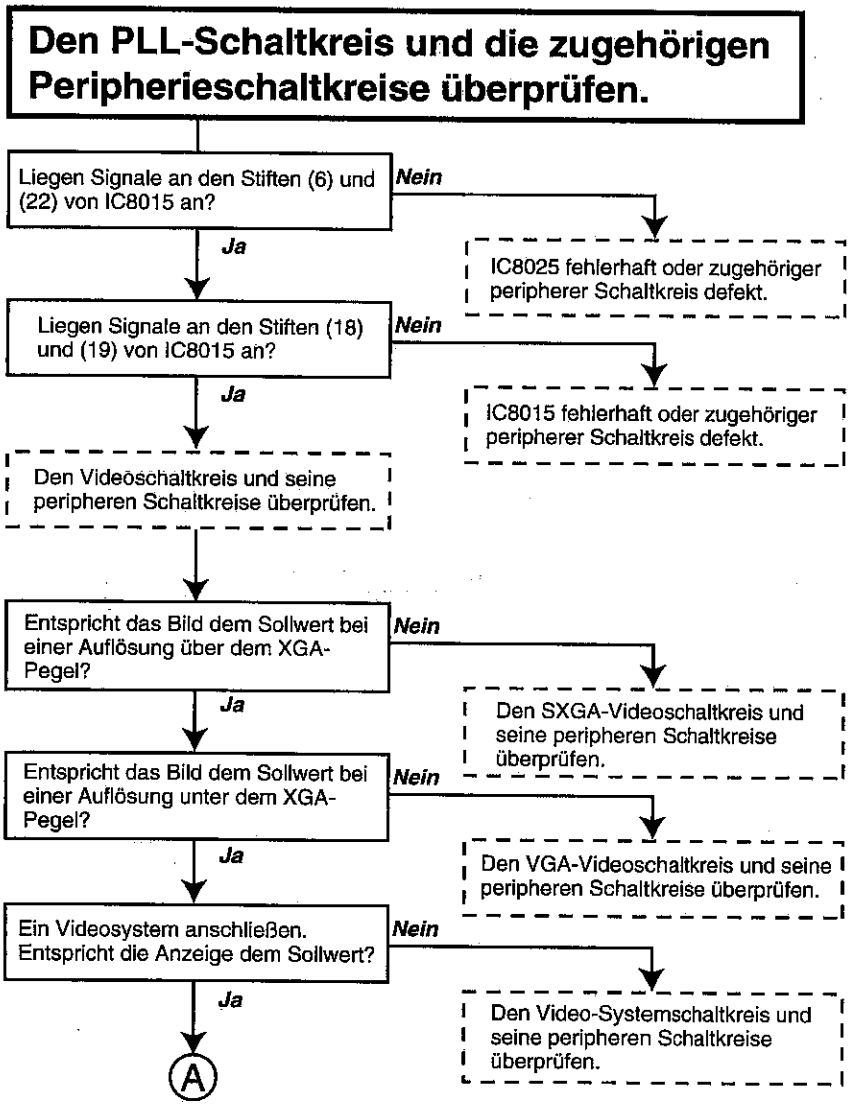
FEHLERSUCHTABELLE (Fortsetzung)



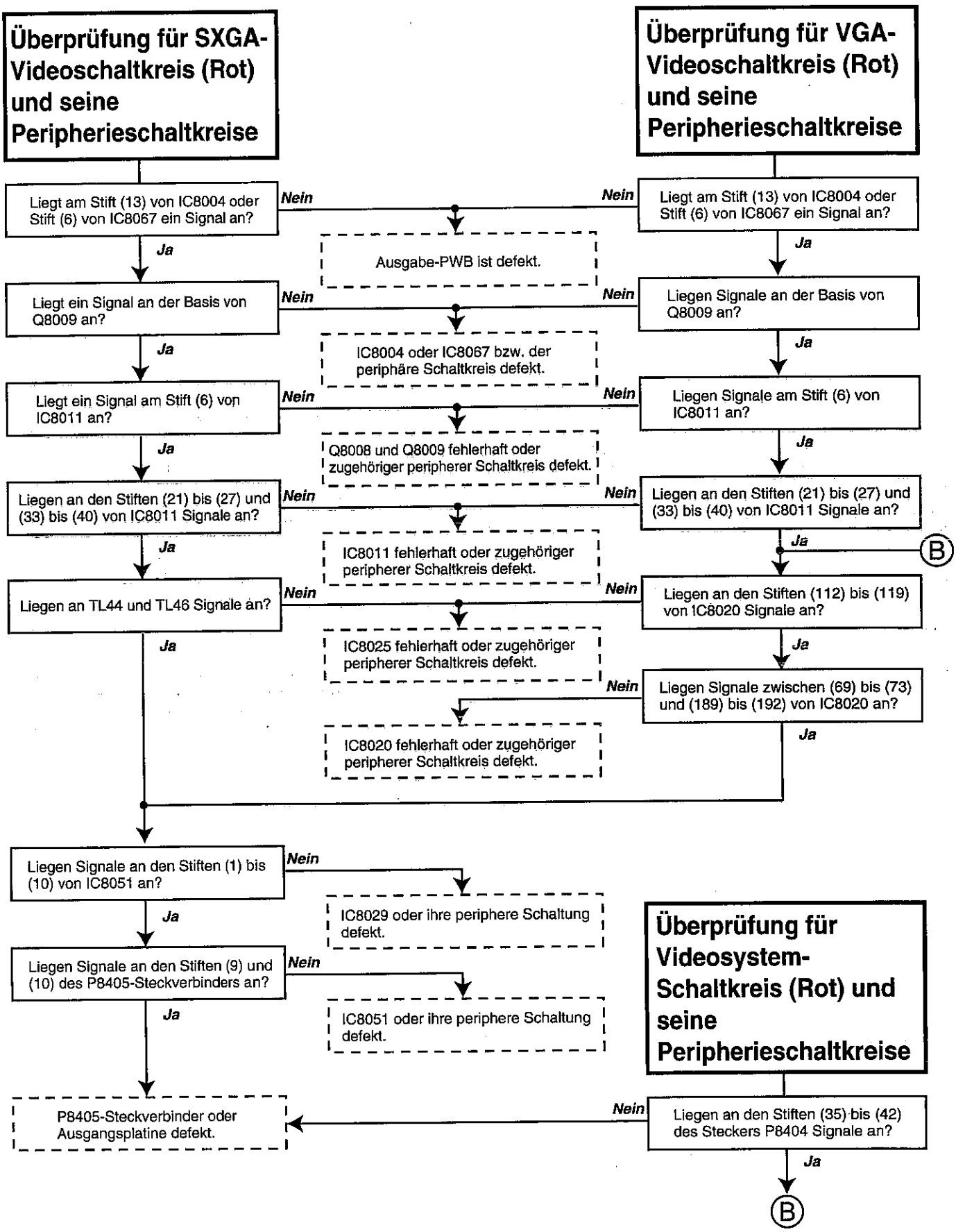
FEHLERSUCHTABELLE FÜR PC I/F EINHEIT-1


Den Taktschaltkreis und die zugeh rigen Peripherieschaltkreise berpr fen.
Erzeugt der X8001 (6MHz) Schwingungen?
Nein
X8001 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Erzeugt der X8002 (32.768kHz) Schwingungen?
Nein
X8002 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Erzeugt der X8003 (1.84MHz) Schwingungen?
Nein
X8003 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Erzeugt der X8004 (22.165MHz) Schwingungen?
Nein
X8004 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Erzeugt der X8005 (16.25MHz) Schwingungen?
Nein
X8005 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Funktioniert Stift (162) von IC8001?
Nein
X8001 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Den Synchron-Signalschaltkreis und seine peripheren Schaltkreise überprüfen.
Ist das Synchronsignal von H/V verschieden?
Nein
Ist das Signal ein Grün-Synchronsignal?
Nein
Ja
Ja
Liegen an den Stiften (46), (49) und (50) von PB404 (oder TP5 und TP4) Signale an?
Nein
LCP-Schaltkreis defekt.
Ja
Liegen an den Stiften (7) von IC8036 Signale an?
Nein
IC8023, IC8034, IC8036 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale an den Stiften (TL34, 35), (149) und (150) von IC8020 an?
Nein
IC8025 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Nein
Weist das Eingangssignal eine Auflösung auf, die unter dem XGA-Pegel liegt oder im Videomodus?
Ja
Liegen Signale an den Stiften (26), (28) und (29) von IC8020 (TL43, TL41, TL42) an?
Nein
IC8020 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale an den Stiften (14), (16) und (48) des P8405-Steckverbinders an?
Nein
IC8029 oder ihre periphere Schaltung defekt.
Ja
Liegen an TL22, TL25 und TL27 Signale an?
Nein
IC8025 oder ihre periphere Schaltung defekt.
Ja
Liegen an TP6 und TP7 Signale an?
Nein
IC8029 oder ihre periphere Schaltung defekt.
Ja
Zum Abschnitt "Überprüfung des PLL-Schaltkreises und seine peripheren Schaltkreise" weitergehen.

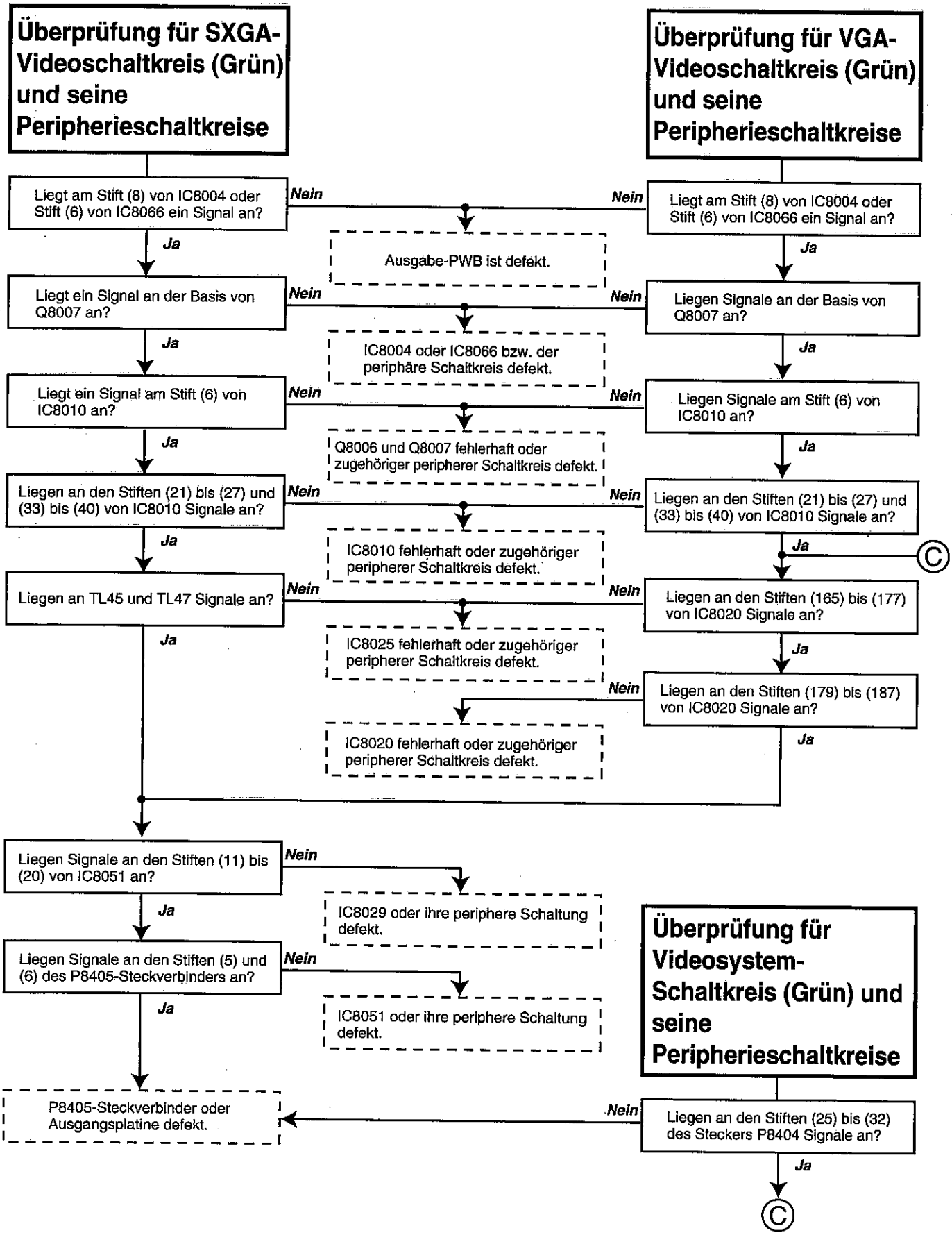
FEHLERSUCHTABELLE FÜR PC I/F EINHEIT-2


Den PLL-Schaltkreis und die zugehörigen Peripherieschaltkreise überprüfen.
Liegen Signale an den Stiften (6) und (22) von IC8015 an?
Nein
Ja
IC8025 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Liegen Signale an den Stiften (18) und (19) von IC8015 an?
Nein
Ja
IC8015 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Den Videoschaltkreis und seine peripheren Schaltkreise überprüfen.
Entspricht das Bild dem Sollwert bei einer Auflösung über dem XGA-Pegel?
Nein
Ja
Den SXGA-Videoschaltkreis und seine peripheren Schaltkreise überprüfen.
Entspricht das Bild dem Sollwert bei einer Auflösung unter dem XGA-Pegel?
Nein
Ja
Den VGA-Videoschaltkreis und seine peripheren Schaltkreise überprüfen.
Ein Videosystem anschließen. Entspricht die Anzeige dem Sollwert?
Nein
Ja
Den Video-Systemschaltkreis und seine peripheren Schaltkreise überprüfen.
A

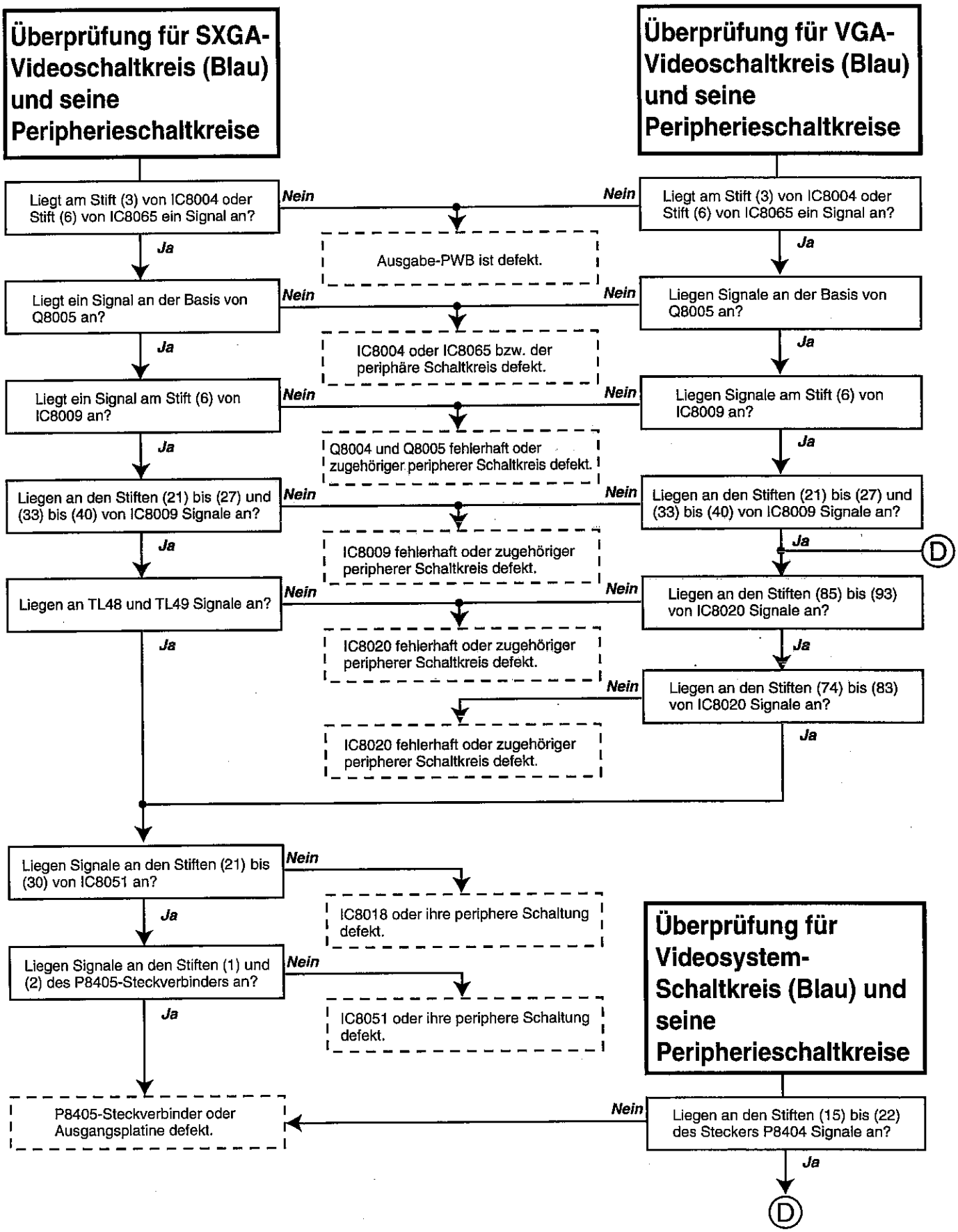
FEHLERSUCHTABELLE FÜR PC I/F EINHEIT-3


Überprüfung für SXGA-Videoschaltkreis (Rot) und seine Peripherieschaltkreise
Überprüfung für VGA-Videoschaltkreis (Rot) und seine Peripherieschaltkreise
Liegt am Stift (13) von IC8004 oder Stift (6) von IC8067 ein Signal an?
Nein
Ausgabe-PWB ist defekt.
Ja
Liegt ein Signal an der Basis von Q8009 an?
Nein
IC8004 oder IC8067 bzw. der periphäre Schaltkreis defekt.
Ja
Liegt ein Signal am Stift (6) von IC8011 an?
Nein
Q8008 und Q8009 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen an den Stiften (21) bis (27) und (33) bis (40) von IC8011 Signale an?
Nein
IC8011 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen an TL44 und TL46 Signale an?
Nein
IC8025 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale an den Stiften (1) bis (10) von IC8051 an?
Nein
IC8029 oder ihre periphere Schaltung defekt.
Ja
Liegen Signale an den Stiften (9) und (10) des P8405-Steckverbinders an?
Nein
IC8051 oder ihre periphere Schaltung defekt.
Ja
P8405-Steckverbinder oder Ausgangsplatine defekt.
Nein
Liegen Signale an den Stiften (35) bis (42) des Steckers P8404 Signale an?
Ja
B
Nein
Liegt am Stift (13) von IC8004 oder Stift (6) von IC8067 ein Signal an?
Ja
Nein
Liegen Signale an der Basis von Q8009 an?
Ja
Nein
Liegen Signale am Stift (6) von IC8011 an?
Ja
Nein
Liegen an den Stiften (21) bis (27) und (33) bis (40) von IC8011 Signale an?
Ja
B
Nein
Liegen an den Stiften (112) bis (119) von IC8020 Signale an?
Ja
Nein
Liegen Signale zwischen (69) bis (73) und (189) bis (192) von IC8020 an?
Ja
IC8020 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Überprüfung für Videosystem-Schaltkreis (Rot) und seine Peripherieschaltkreise

FEHLERSUCHTABELLE FÜR PC I/F EINHEIT-4

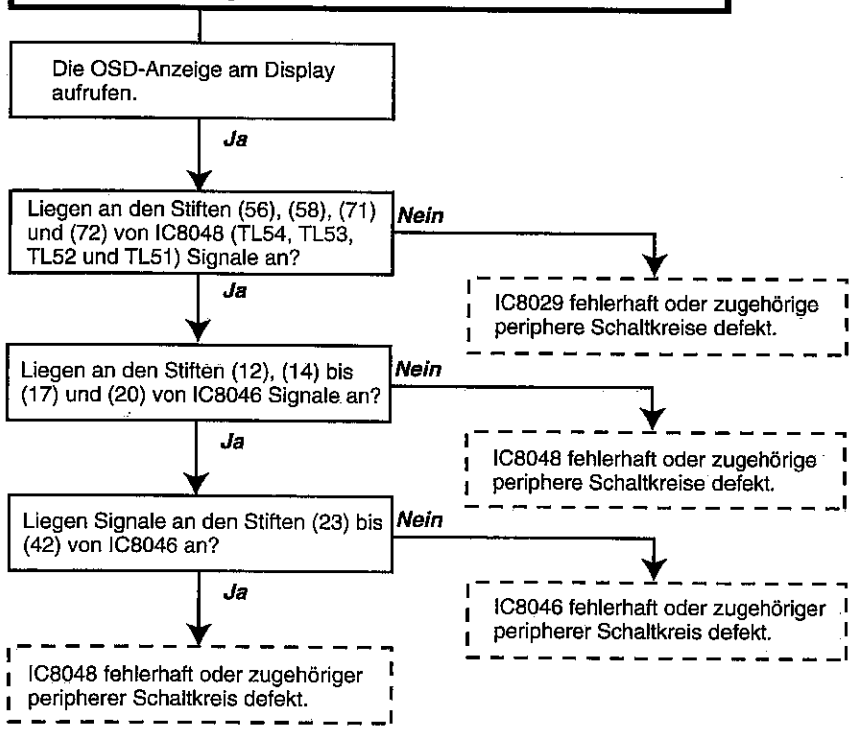

Überprüfung für SXGA-Videoschaltkreis (Grün) und seine Peripherieschaltkreise
Liegt am Stift (8) von IC8004 oder Stift (6) von IC8066 ein Signal an?
Nein
Ja
Ausgabe-PWB ist defekt.
Liegt ein Signal an der Basis von Q8007 an?
Nein
Ja
IC8004 oder IC8066 bzw. der periphäre Schaltkreis defekt.
Liegt ein Signal am Stift (6) von IC8010 an?
Nein
Ja
Q8006 und Q8007 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Liegen an den Stiften (21) bis (27) und (33) bis (40) von IC8010 Signale an?
Nein
Ja
IC8010 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Liegen an TL45 und TL47 Signale an?
Nein
Ja
IC8025 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Liegen Signale an den Stiften (11) bis (20) von IC8051 an?
Nein
Ja
IC8029 oder ihre periphere Schaltung defekt.
Liegen Signale an den Stiften (5) und (6) des P8405-Steckverbinders an?
Nein
Ja
IC8051 oder ihre periphere Schaltung defekt.
P8405-Steckverbinder oder Ausgangsplatine defekt.
Überprüfung für VGA-Videoschaltkreis (Grün) und seine Peripherieschaltkreise
Liegt am Stift (8) von IC8004 oder Stift (6) von IC8066 ein Signal an?
Nein
Ja
Liegen Signale an der Basis von Q8007 an?
Nein
Ja
Liegen Signale am Stift (6) von IC8010 an?
Nein
Ja
Liegen an den Stiften (21) bis (27) und (33) bis (40) von IC8010 Signale an?
Nein
Ja
Liegen an den Stiften (165) bis (177) von IC8020 Signale an?
Nein
Ja
Liegen an den Stiften (179) bis (187) von IC8020 Signale an?
Nein
Ja
Überprüfung für Videosystem-Schaltkreis (Grün) und seine Peripherieschaltkreise
Liegen an den Stiften (25) bis (32) des Steckers P8404 Signale an?
Nein
Ja
Ⓒ
Ⓒ

FEHLERSUCHTABELLE FÜR PC I/F EINHEIT-5

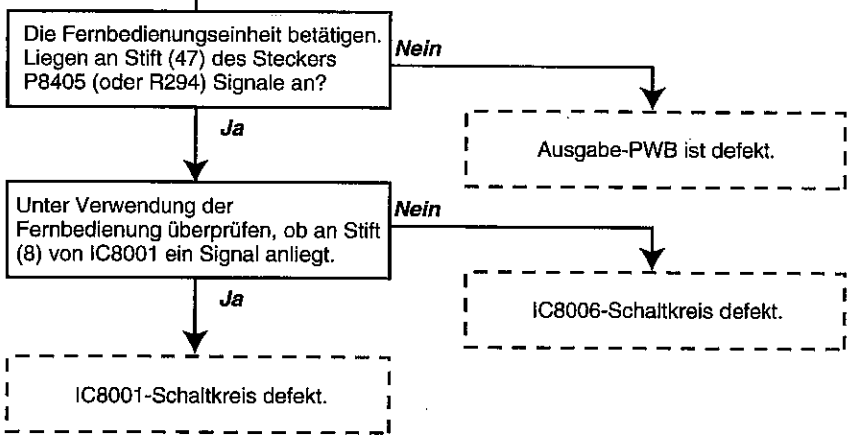

Überprüfung für SXGA-Videoschaltkreis (Blau) und seine Peripherieschaltkreise
Überprüfung für VGA-Videoschaltkreis (Blau) und seine Peripherieschaltkreise
Liegt am Stift (3) von IC8004 oder Stift (6) von IC8065 ein Signal an?
Nein
Ja
Ausgabe-PWB ist defekt.
Liegt ein Signal an der Basis von Q8005 an?
IC8004 oder IC8065 bzw. der periphäre Schaltkreis defekt.
Liegt ein Signal am Stift (6) von IC8009 an?
Q8004 und Q8005 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Liegen an den Stiften (21) bis (27) und (33) bis (40) von IC8009 Signale an?
IC8009 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Liegen an TL48 und TL49 Signale an?
IC8020 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Liegen Signale an den Stiften (21) bis (30) von IC8051 an?
IC8018 oder ihre periphere Schaltung defekt.
Liegen Signale an den Stiften (1) und (2) des P8405-Steckverbinders an?
IC8051 oder ihre periphere Schaltung defekt.
P8405-Steckverbinder oder Ausgangsplatine defekt.
Liegen Signale an den Stiften (21) bis (30) von IC8051 an?
Liegen Signale an den Stiften (1) und (2) des P8405-Steckverbinders an?
Liegen an den Stiften (15) bis (22) des Steckers P8404 Signale an?
Liegen Signale an der Basis von Q8005 an?
Liegen Signale am Stift (6) von IC8009 an?
Liegen an den Stiften (21) bis (27) und (33) bis (40) von IC8009 Signale an?
Liegen an den Stiften (85) bis (93) von IC8020 Signale an?
Liegen an den Stiften (74) bis (83) von IC8020 Signale an?
Überprüfung für Videosystem-Schaltkreis (Blau) und seine Peripherieschaltkreise
D
D

FEHLERSUCHTABELLE FÜR PC I/F EINHEIT-6

Überprüfung für OSD-Schaltkreis und seiner Peripherieschaltkreise


Die OSD-Anzeige am Display aufrufen.
Ja
Liegen an den Stiften (56), (58), (71) und (72) von IC8048 (TL54, TL53, TL52 und TL51) Signale an?
Nein
IC8029 fehlerhaft oder zugehörige periphere Schaltkreise defekt.
Ja
Liegen an den Stiften (12), (14) bis (17) und (20) von IC8046 Signale an?
Nein
IC8048 fehlerhaft oder zugehörige periphere Schaltkreise defekt.
Ja
Liegen Signale an den Stiften (23) bis (42) von IC8046 an?
Nein
IC8046 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
IC8048 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.

Überprüfung der Fernbedienung


Die Fernbedienungseinheit betätigen. Liegen an Stift (47) des Steckers P8405 (oder R294) Signale an?
Nein
Ausgabe-PWB ist defekt.
Ja
Unter Verwendung der Fernbedienung überprüfen, ob an Stift (8) von IC8001 ein Signal anliegt.
Nein
IC8006-Schaltkreis defekt.
Ja
IC8001-Schaltkreis defekt.

規格

產品類型	液晶投影機
型號	XG-NV6XE
視頻制式	PAL/SECAM/NTSC 3.58/NTSC 4.43/數碼電視480P/數碼電視720P/數碼電視1080I
顯示方法	3塊液晶板，RGB三色光學遮板方法
液晶顯示板	尺寸：33毫米（1.3英寸）（20.0[高]×26.6[寬]毫米） 顯示方法：半透明TN液晶板 驅動方法：TFT（薄膜晶管體）活性矩陣板 像素數目：786,432點（1,024[水平]×768[垂直]）
鏡頭	1～1.3變焦鏡頭，F1.7至2.3，f＝49.1至63.8毫米
投影燈泡	150瓦UHP燈泡
反差比	250:1
視頻輸入訊號	RCA連接器：視頻，混合視頻，峰間值1.0伏，負同步，75歐姆終端 RCA連接器：聲頻，0.5伏有效值，大於22千歐姆（立體聲）
S-視頻輸入訊號	4芯小型DIN連接插頭 Y（亮度訊號）：峰間值1.0伏，負同步，75歐姆終端 C（色差訊號）：脈衝峰間值0.286伏，75歐姆終端
色差輸入訊號	BNC連接器（輸入1） Y：峰間值1.0伏，負同步，75歐姆終端 P_B：峰間值0.7伏，75歐姆終端 P_R：峰間值0.7伏，75歐姆終端
水平解像度	520電視線（視頻輸入），750電視線（數碼電視720P輸入，原樣顯示）
聲頻輸出	2瓦＋2瓦（立體聲）
電腦RGB輸入訊號	*視頻訊號* 15芯小型D-sub連接插頭（輸入1，2）5個BNC連接器（輸入1）： 紅綠藍（RGB）分離/混合同步/綠同步型類比輸入； 峰間值0～0.7，正極，75歐姆終端 立體聲小型插頭：聲頻，0.5伏有效值，大於22千歐姆（立體聲） 水平同步訊號：TTL電平（正極/負極）或混合同步（僅限Apple電腦） 垂直同步訊號：同上
像素時鐘	12～230兆赫茲
幀頻	43～200赫茲
行頻	15～126千赫茲
電腦輸入訊號	9芯MINI-DIN凸型連接插頭（RS-232C輸入端子）
喇叭系統	1 3/32英寸（5厘米）圓形，2個
電壓	交流110～120/220～240伏
輸入電流	2.4安/1.2安
額定頻率	50/60赫
耗電量	265瓦
工作溫度	攝氏5度～40度
儲藏溫度	攝氏零下20度～60度
外殼	塑膠
I/R載波頻率	38千赫
遙控器的鐳射教鞭	*波長*：650毫微米 *最大輸出*：1毫瓦 II級鐳射產品
尺寸（約）	261×129×356毫米（寬×高×深）（僅主體） 261×146×411.5毫米（寬×高×深）（包括調校腳和投射部份在內）
重量（約）	7.2公斤
隨機附件	遙控器、2枚AA型電池、交流電源線（1.8米）、電腦連接線（3米）、3個BNC-RCA轉接頭、電腦聲頻連接線（3米）、滑鼠控制串列連接線（1米）、用於IBM PS/2的滑鼠控制連接線（1米）、用於Mac的滑鼠控制連接線（17厘米）、DIN-D-Sub RS-232C連接線（15厘米）、遠程滑鼠接收器、後備空氣過濾網、鏡頭蓋（已裝上）、光碟、液晶投影機使用說明書、液晶投影機速查手冊、SHARP高級講演軟體使用說明書、SHARP高級講演軟體速查手冊、IrDA驅動器安裝指示書
替換零件	標準鏡頭組件（CLNS-0169CE02）、遙控器（RRMCG1535CESA）、AA型電池、交流電源線、電腦連接線（QCNW-5304CEZZ）、3個BNC-RCA轉接頭（QPLGJ0107GEZZ）、電腦聲頻連接線（QCNW-4870CEZZ）、滑鼠控制串列連接線（QCNW-5112CEZZ）、用於IBM PS/2的滑鼠控制連接線（QCNW-5113CEZZ）、用於Mac的滑鼠控制連接線（QCNW-5114CEZZ）、DIN-D-Sub RS-232C連接線（QCNW-5288CEZZ）、遠程滑鼠接收器（RUNTK0661CEZZ）、空氣過濾網（PFILD0080CEZZ）、鏡頭蓋（PCAPH1056CESA）、光碟、液晶投影機使用說明書、液晶投影機速查手冊、SHARP高級講演軟體使用說明書、SHARP高級講演軟體速查手冊、IrDA驅動器安裝指示書

本投影機使用LCD（液晶顯示）板。這些非常精密的顯示板每塊都含有786,432像素（×RGB）個TFT（薄膜電晶體）。
任何高技術電子設備，如大屏幕電視機、錄像系統及攝像機等，都有該設備必須符合的一定誤差範圍存在。本投影機在一定的容許範圍之內也有若干不起作用的TFT，即可能在屏幕上造成亮點或不起作用的黑點。這並不影響影像品質或投影機的使用壽命。

規格參數若有變更，恕不另行通知。

保养维修人员须知

紫外线辐射注意事项

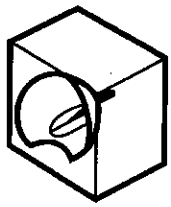
本液晶投影机的光源—金属检卤灯使用时会产生少量的紫外线辐射。

防止眼睛和皮肤的直接曝射

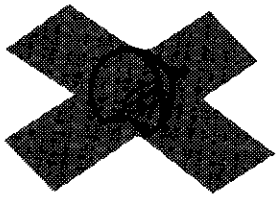
为保证安全，务请遵守下列注意事项：

1. 揭去投影机顶盖并打开金属检卤灯进行检查维修时，务请戴用太阳墨镜。

2. 切勿随意修弄金属检齿灯灯室外壳。



3. 揭去投影机顶盖的保养维修不得超过 2 小时以上。



紫外线辐射与中压灯的注意事项

1. 更换中压灯前，请先拔除电源插头。
2. 保养维修该装置前，请先让其冷却一小时以上。
3. 更换中压灯只得用同类型号者:
   型号 CLMPF0056DE02 或 BQC-XGNV6XE/1,
   额定值 65V/150W。
4. 该灯点亮时有少量紫外线辐射发生、切勿直接曝照裸眼。
5. 中压灯有引起爆炸之危险。安装，保养及维修时，务请按下述要求谨慎处理之。

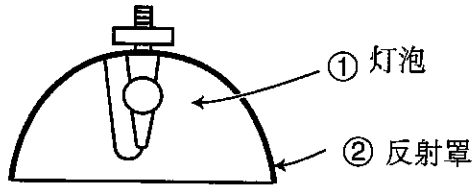
■ 金属检卤灯的更换

注意:

该灯于点亮时所达温度极高。因此，更换该灯至少应在关灯后一小时再进行。（让该灯充分冷却。）

用手安装新灯时，只得抓握检卤灯反射罩②进行安装，切勿用手触碰灯泡电珠。

[更换新灯只得用规定正品。]



危险！ 一没安装金属检卤灯时，不得打开电源开关。因为引入电源后，稳压器便随即发生极高的电压，足以引起人身高压触电或装置损坏的危险。

揭开机壳进行维修时，少量的紫外线可从导管盖和灯室间的开口处辐射而出。因此，必须用镜头盖按下图（图1）所示遮住导管盖和灯室间的开口，以防紫外线辐射造成眼睛或皮肤的受伤。

注意：对未附带镜头盖的型号XG-NV6XE, 作保养及检修时，
必须先准备镜头盖，盖上后进行之。

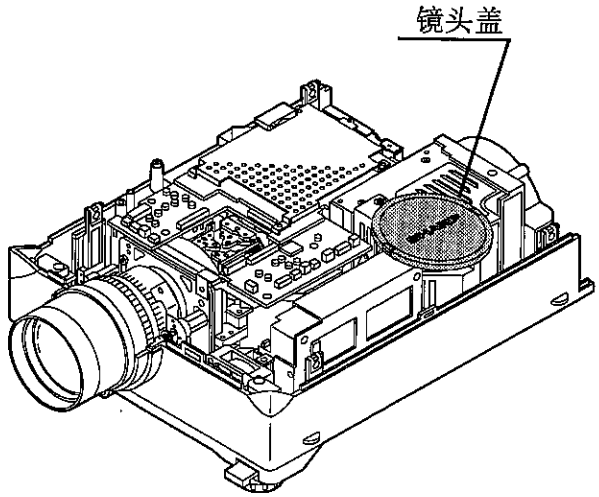
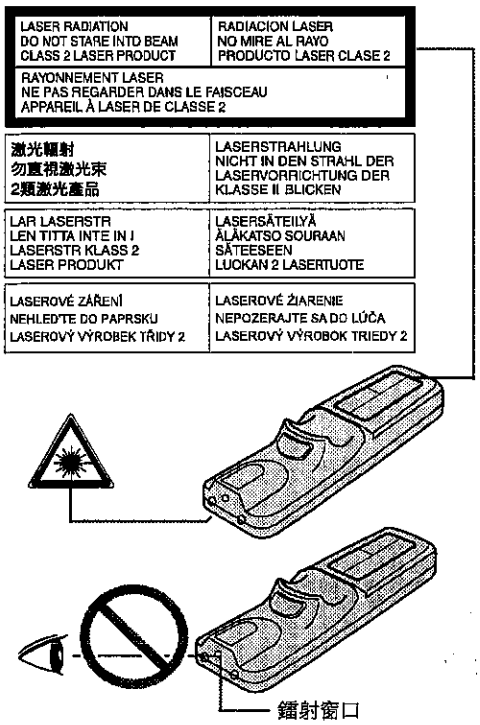


图 -1

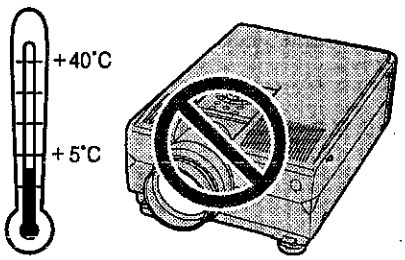
使用指南



有關鐳射指示器的警告事項

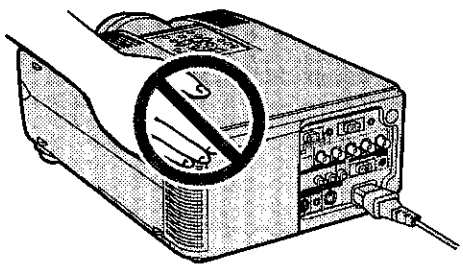
遙控器上的鐳射教鞭會從鐳射教鞭窗中放射出鐳射光束。該鐳射光束是II級(Class II)鐳射，若直接射入眼睛則可能會使眼睛視力受損。左面所示的兩個標記，是鐳射光束的警告記號。

- 請勿窺視鐳射教鞭窗，亦勿用鐳射照射自己或他人。(本產品所用之鐳射光束照射於皮膚之上時不會造成傷害，但務請小心勿將鐳射光束直接照射眼睛。)
- 祇應在 + 5℃到 + 40℃的溫度範圍內使用本鐳射教鞭。
- 若進行非此處所述之操控、調校、或操控步驟，則可能導致有危險的鐳射輻射。



有關投影機安置的警告事項

- 建議勿將投影機放置於潮濕、多灰塵或有香煙煙霧之處，否則會導致畫面品質退化並需增加清掃保養次數。若在上述環境中使用本投影機，則需要經常地清掃鏡頭與過濾器(或更換過濾器)。但是，祇要能定時清掃，則在這些環境中使用本機亦不會縮短其使用壽命。投影機之內部清掃必須由SHARP公司授權之液晶投影機經銷商進行。



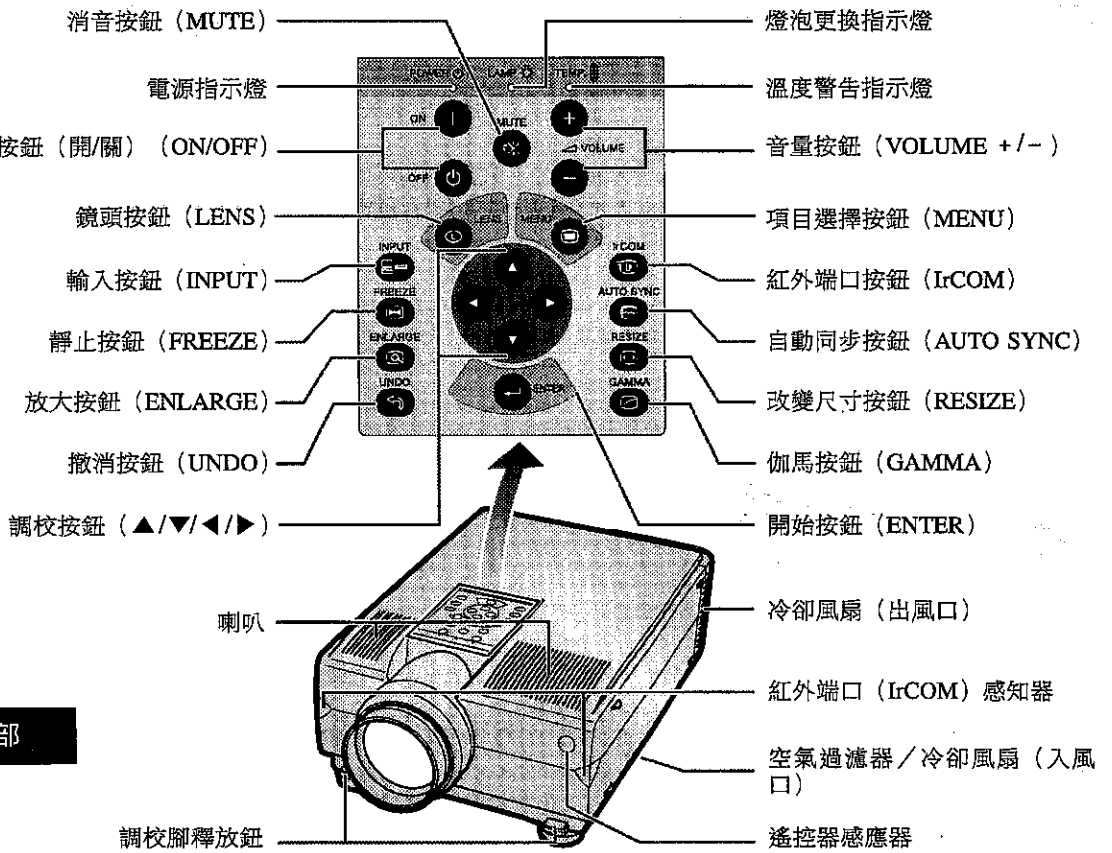
有關操控的注意事項

- 在使用投影機時，通風孔、燈箱蓋及其周圍的部分會變得非常熱。未充分冷卻之前切勿觸摸這些部分，以免引起燙傷。
- 放置投影機時，要使冷卻風扇(出風口)與最近的牆壁或阻礙物體保持10厘米以上的距離。
- 如果冷卻風扇被堵塞，機內的保護電路就會啟動，投影機燈泡隨之便熄滅，這種情況不屬於故障。只要將電源插頭從插座上拔出，並等待10分鐘，再將電源插上，投影機即可恢復正常功能。

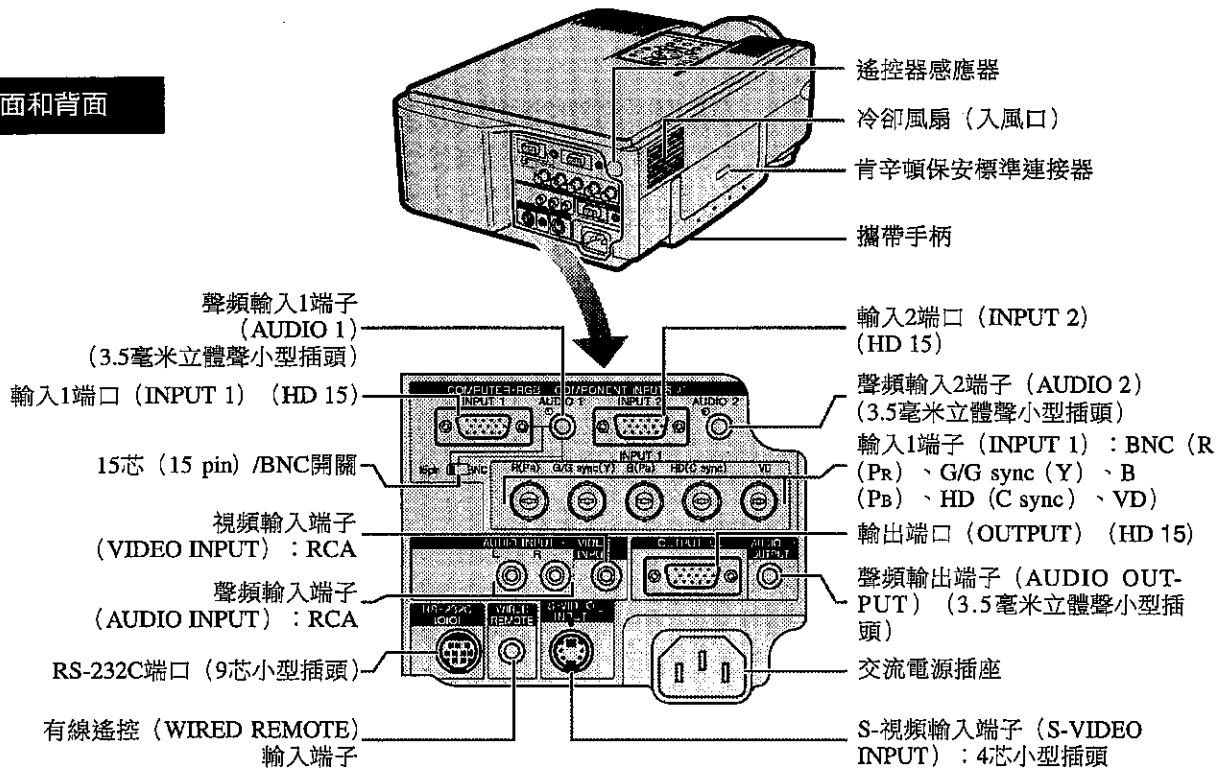
控制按鈕的位置

投影機

正面和頂部



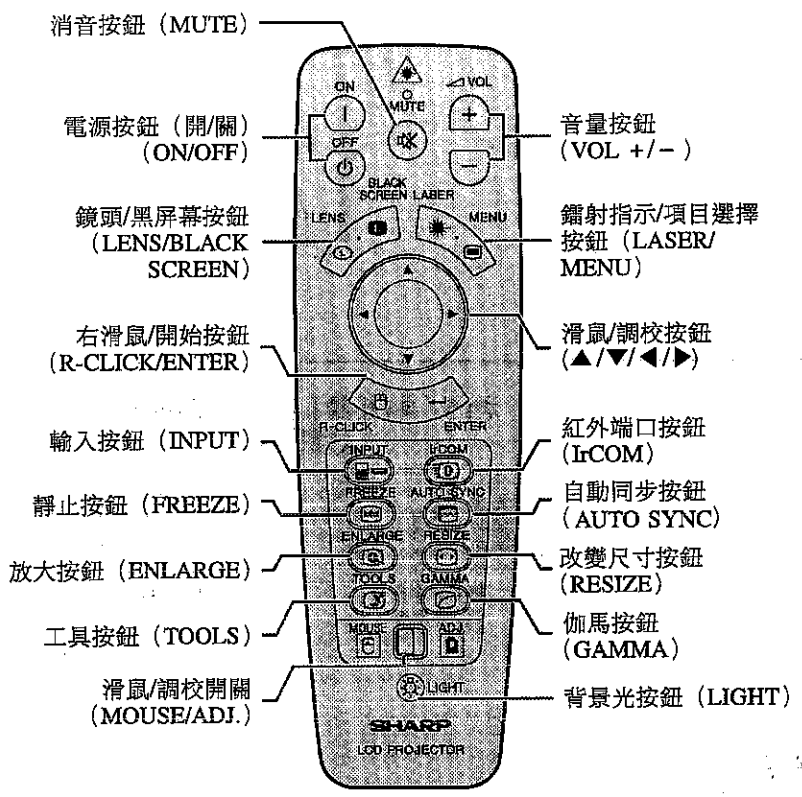
側面和背面



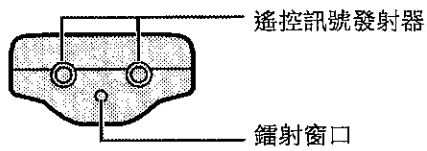
無線滑鼠遙控器的操作說明

遙控器

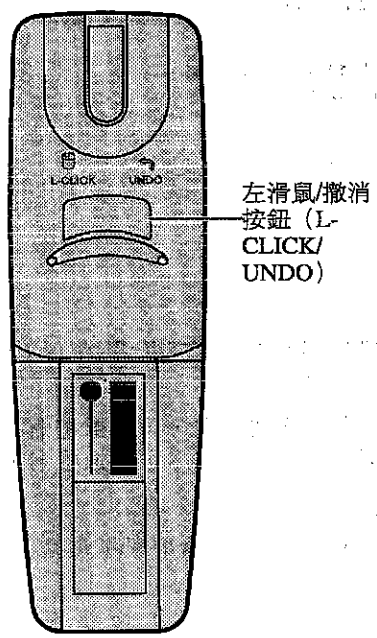
正面



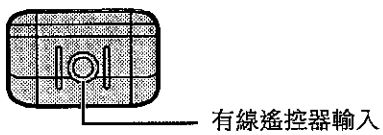
頂部



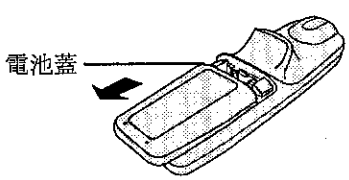
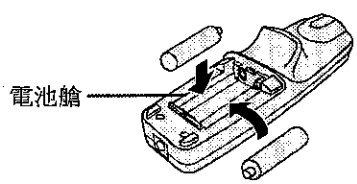
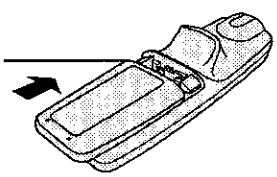
背面

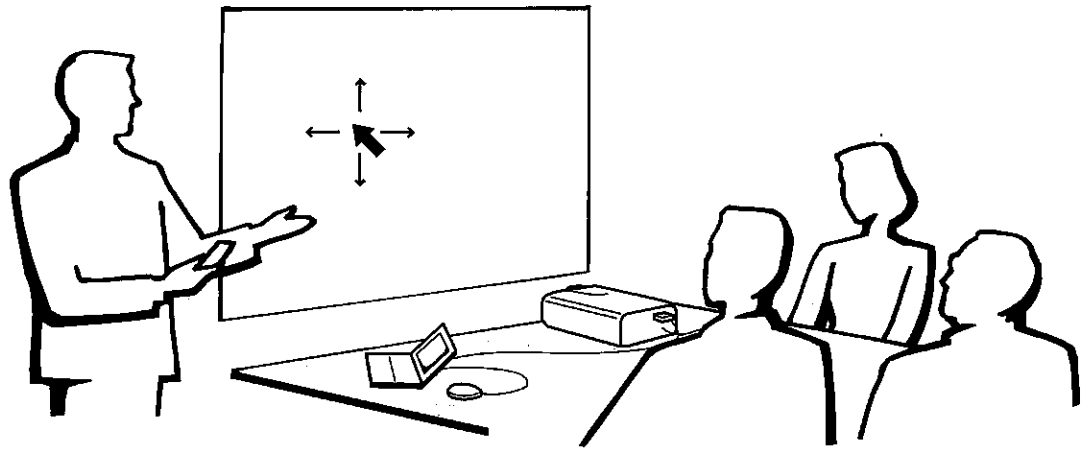


底部



裝入電池

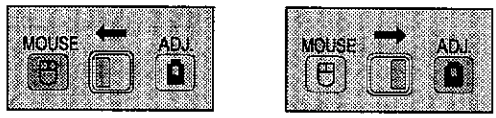
1	2	3
向內並向下按壓箭頭所示之處，卸下電池艙蓋。	在遙控器內裝入 2 枚 AA 型電池，務請確認電池裝入時的極性必須與電池艙內之 + 和 － 的標記一致。	將電池蓋的側面垂片置於內側，將電池蓋向下壓，直到固定為止。
		



將遙控器用作無線滑鼠

遙控器如有下三種功能：
- 操控投影機
- 無線滑鼠
- 鐳射教鞭

滑鼠／調校開關（MOUSE/ADJ.）
（遙控器）



無線滑鼠
鐳射教鞭

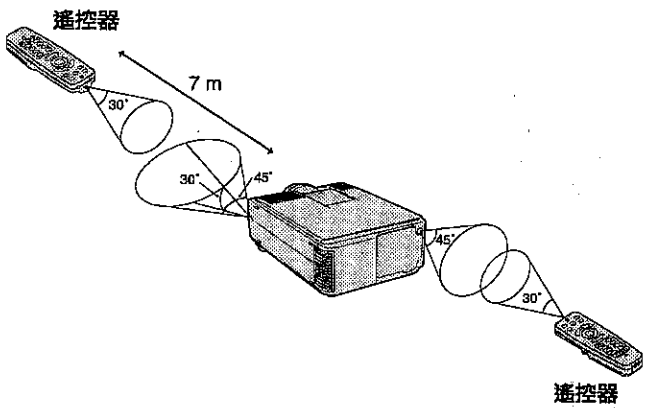
操控投影機

確定遙控器/滑鼠接收器的位置

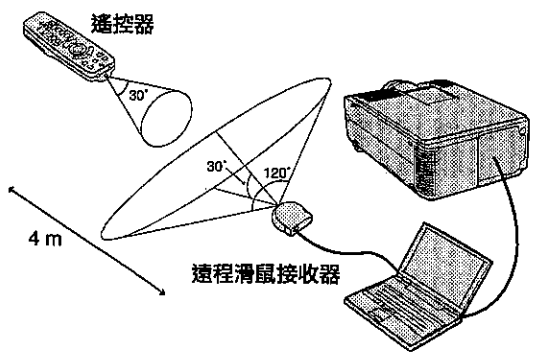
- 在如下所示範圍之內，可用遙控器操控投影機。
- 在如下所示範圍之內，可將遠程滑鼠接收器與遙控器配合使用來操控所接駁的電腦上的滑鼠功能。

註
- 為便於操控，來自遙控器的訊號也能經由屏幕反射出來。但是，由於屏幕材質之差異，訊號的有效距離也可能會有所不同。

操控投影機



使用無線滑鼠

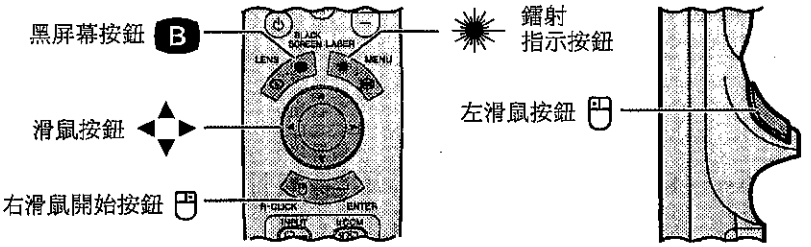


用作無線滑鼠

請確認隨機附送之遠程滑鼠接收器已與電腦連接妥當。

① 將MOUSE/ADJ.（滑鼠/調校）開關撥到MOUSE（滑鼠）的位置。

在MOUSE（滑鼠）模式下有效的按鈕



註

- 如果電腦上的串列埠（串行端口）未能正確地設置，則無線滑鼠可能不會正確地動作。關於設置與安裝滑鼠驅動程式之詳情，請參閱電腦的使用說明書。
- 對於單按鈕滑鼠，可使用L-CLICK（左滑鼠）或R-CLICK（右滑鼠）中的任意一個按鈕。

LIGHT

在很暗的房間裡使用遙控器

按下BACKLIGHT（背景光），按鈕就會點亮。綠燈表示滑鼠操控，紅燈表示投影機調校。

按鈕名稱	MOUSE/ADJ.（滑鼠/調校）開關的位置	
	MOUSE（滑鼠） ⟷ ADJ.（調校）	
LASER/MENU	LASER（綠色）	MENU（紅色）
BLACK SCREEN/LENS	BLACK SCREEN（綠色）	LENS.（紅色）
R-CLICK/ENTER	R-CLICK（綠色）	ENTER（紅色）
▲/▼/◀/▶	▲/▼/◀/▶（不亮）	▲/▼/◀/▶（不亮）
L-CLICK/UNDO	L-CLICK（不亮）	UNDO（不亮）
ON/OFF	開（紅色）	
VOL +/−		
MUTE		

按鈕名稱	MOUSE/ADJ.（滑鼠/調校）開關的位置
	MOUSE（滑鼠） ⟷ ADJ.（調校）
INPUT	開（紅色）
IrCOM	
FREEZE	
AUTO SYNC	
ENLARGE	
RESIZE	
TOOLS	
GAMMA	

用作鐳射教鞭

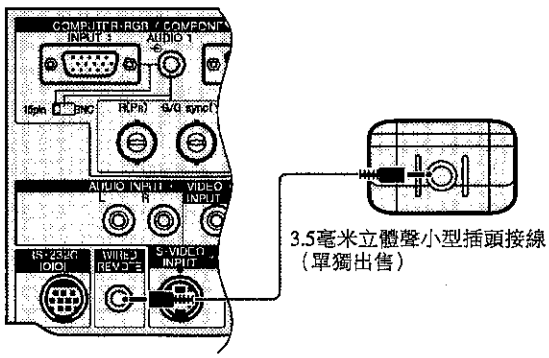
① 請將MOUSE/ADJ.（滑鼠/調校）開關撥至MOUSE（滑鼠）的位置。

② LASER ✷ 按下LASER（鐳射指示）（✷）使鐳射教鞭功能啟動。
當鬆開該按鈕時，鐳射光束自動關閉。

註

- 為了安全，鐳射教鞭在連續使用1分鐘之後即自動關掉。若要將其開啟，則請鬆開“鐳射教鞭”（LASER POINTER）（✷）並再次按下。

有線遙控器



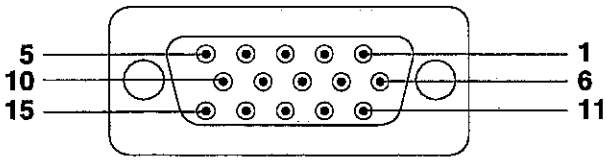
由於超出範圍或由於投影機的位置（例如，背面投影等）而不能使用遙控器時，請將一根3.5毫米立體聲小型插頭接線（單獨出售）從遙控器底部的有線遙控輸入端子連接到投影機背面的有線遙控（WIRED REMOTE）輸入端子。

註

- 在有線遙控器的狀態下，仍然可以操控鐳射教鞭和無線滑鼠功能。

連接芯的作用

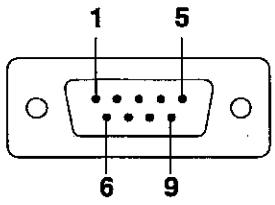
類比電腦1和2訊號輸入端子: 15芯小型D-sub凹型接頭



電腦輸入
類比

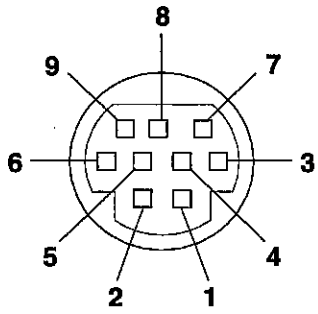
1. 視頻輸入（紅）
2. 視頻輸入（綠色/綠同步）
3. 視頻輸入（藍）
4. 備用輸入1
5. 混合同步
6. 地面（紅）
7. 地面（綠）
8. 地面（藍）
9. 沒有連接
10. GND
11. GND
12. 雙向資料
13. 水平同步訊號
14. 垂直同步訊號
15. 數據時鐘

RS-232C端口：DIN-D-sub RS-232C接線的9芯D-sub凸型接頭



芯號	訊號	名稱	輸入/輸出	備註
1	CD			沒有連接
2	RD	接收數據	輸入	和內部電路相接
3	SD	發送數據	輸出	和內部電路相接
4	ER			沒有連接
5	SG	訊號地面		和內部電路相接
6	DR	數據設定準備完畢	輸出	沒有連接
7	RS	要求傳送	輸出	和內部電路相接
8	CS	準備發送	輸入	和內部電路相接
9	CI			沒有連接

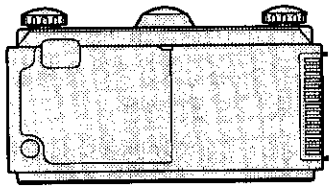
RS-232C端子：9芯小型DIN接頭



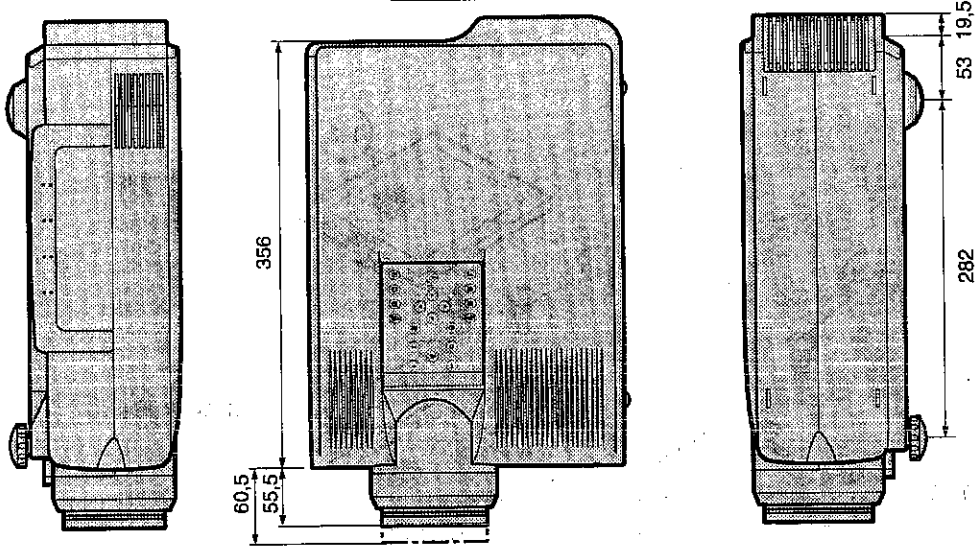
芯號	訊號	名稱	輸入/輸出	備註
1	VCC	+3.3伏（保留）	輸出	沒有連接
2	RD	接收數據	輸入	和內部電路相接
3	SD	發送數據	輸出	和內部電路相接
4	EXIR	選用單元的檢測器（保留）	輸入	沒有連接
5	SG	訊號地面		和內部電路相接
6	ERX	來自IR放大器的IR接收訊號（保留）	輸入	沒有連接
7	RS	要求傳送	輸出	和內部電路相接
8	CS	準備發送	輸入	和內部電路相接
9	ETX	IR發送訊號（保留）	輸出	沒有連接

外型尺寸

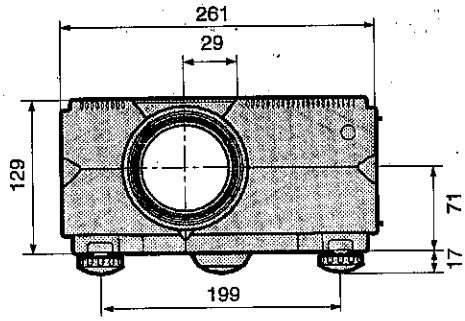
背面



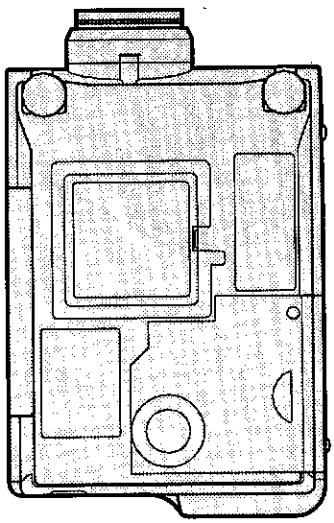
頂部



側面



前面



底部

單位：毫米

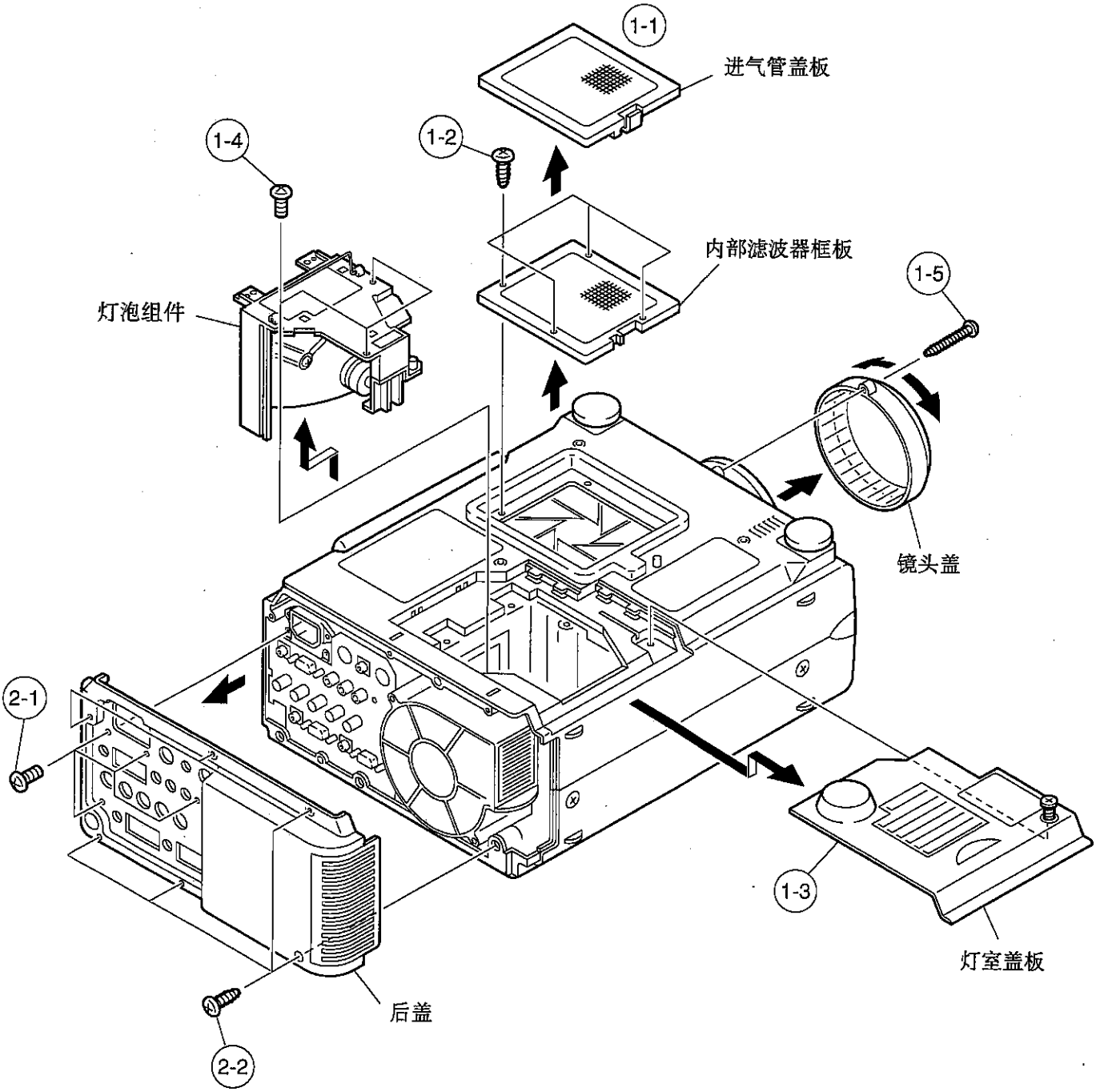
主要部件的拆卸

1. 进气管盖板，灯泡组件和镜头保护盖的拆卸

1-1. 取下进气管盖板。
1-2. 松去内部滤波器框板上的 4 支固定螺丝，取下该框板。
1-3. 松去灯室盖罩上的 1 支固定螺丝，将灯室盖罩向前滑移而拆下。
1-4. 松去灯泡装置上的 3 支固定螺丝，取下灯泡装置。
1-5. 松去镜头盖上的 1 支固定螺丝，按箭头所示方向旋转镜头盖，取下之。

2. 顶盖和后盖的拆卸

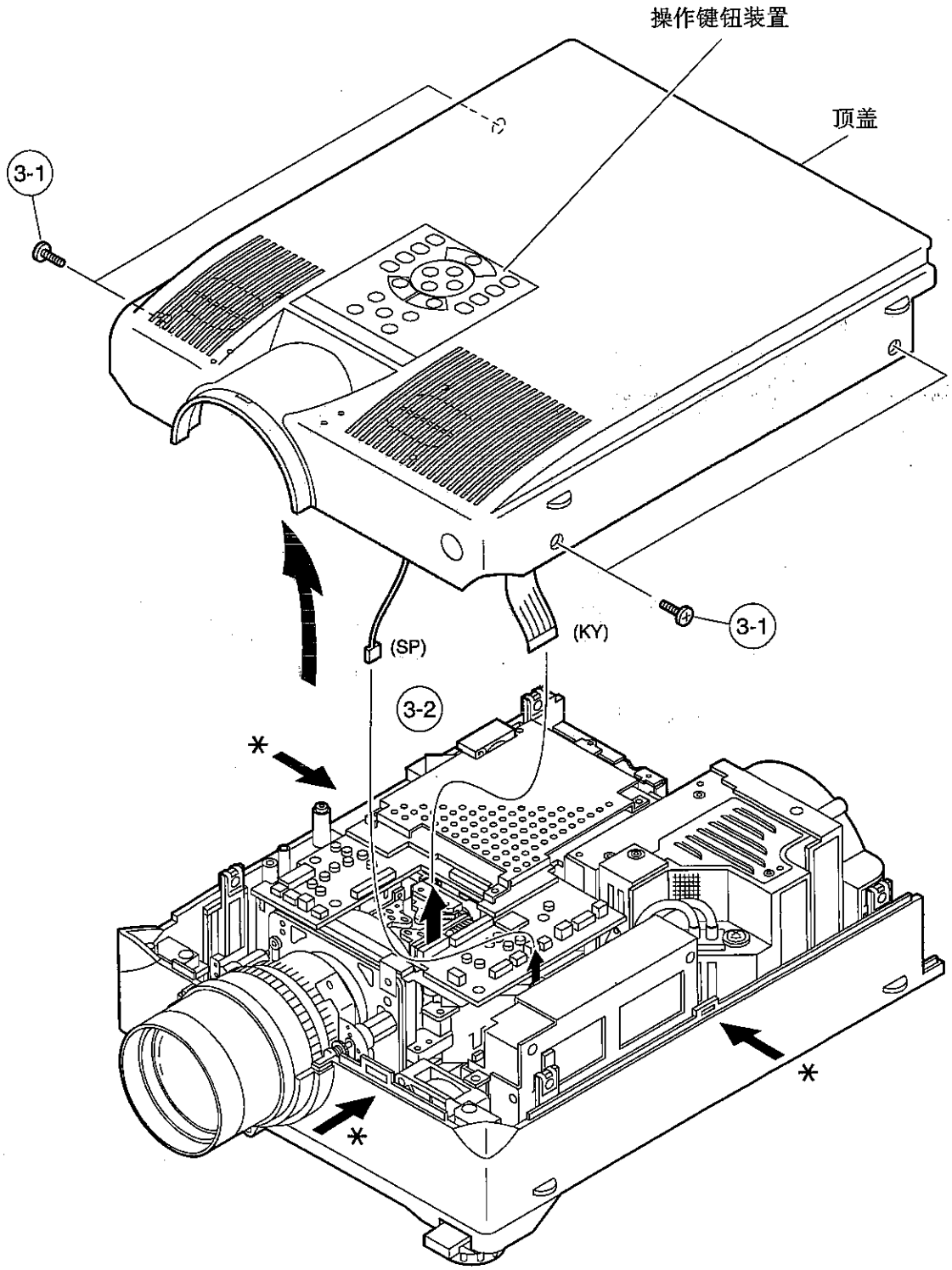
2-1. 松去接线端子板上的 4 支固定螺丝。
2-2. 松去后部机体上的 6 支固定螺丝，取下后部机体。



3. 各印刷电路板的拆卸

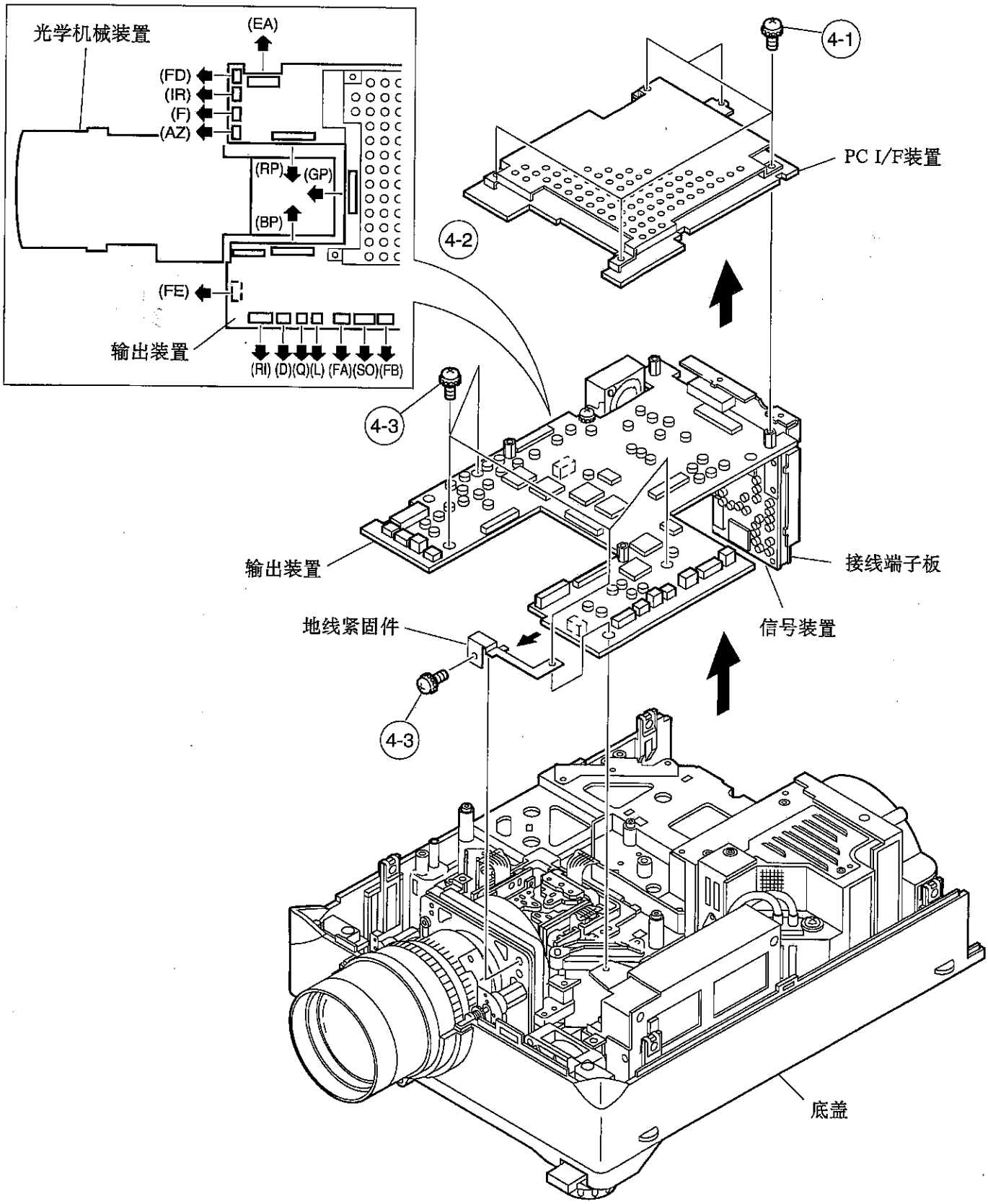
3-1. 松去顶部机体上的 4 支固定螺丝。

3-2. 边按下底盖两边的中心部位，边松开带有 * 标记前部的卡扣，以便取下底盖。然后，慢慢地提起顶部机体的后部，拆下操作键钮装置的插接器(KY)和扬声器的插接器(SP)，以便取下顶部机体。



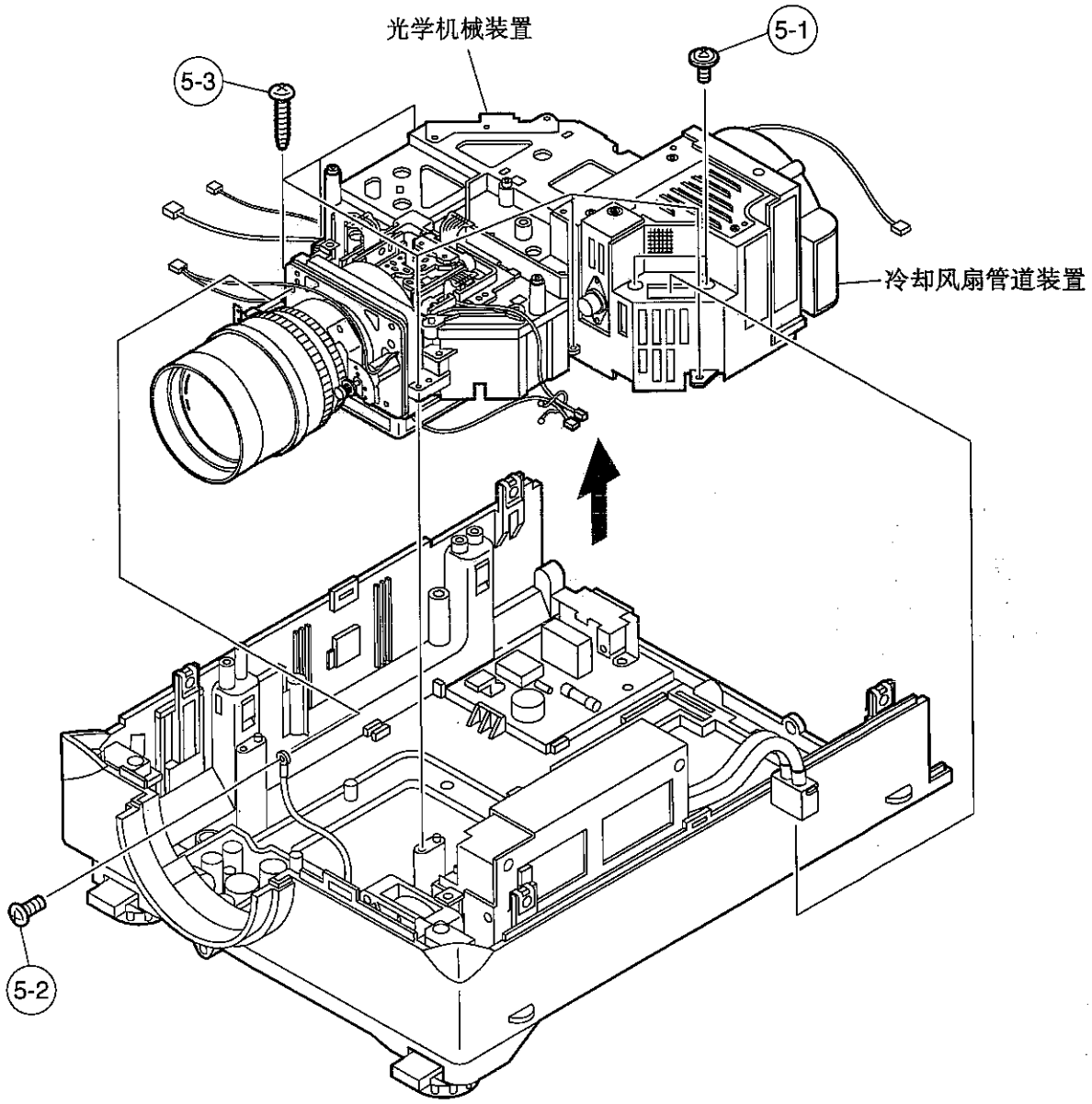
4. 电源／镇流电路装置组件的拆卸

4-1. 松去 PC I/F 装置上的 5 支固定螺丝，然后提起该装置，从输出电路装置上拆下 PC I/F 装置。
4-2. 松开输出电路装置与插接器的连接。
4-3. 松去输出电路装置上的 4 支固定螺丝，接着松去地线紧固件上的 1 支固定螺丝，取下地线紧固件。然后，将输出电路装置、接线端子板和信号装置向上提起而拆下。



5. 光学机械装置上的拆卸

5-1. 松去灯泡管座支架上的两支固定螺丝，取下该支架。
5-2. 松开电源电路装置与接地线的连接。
5-3. 松去光学机械装置上的 6 支固定螺丝，然后将该装置向上提起而拆下。



6. 镇流／滤波／音频输出电路装置组件的拆卸

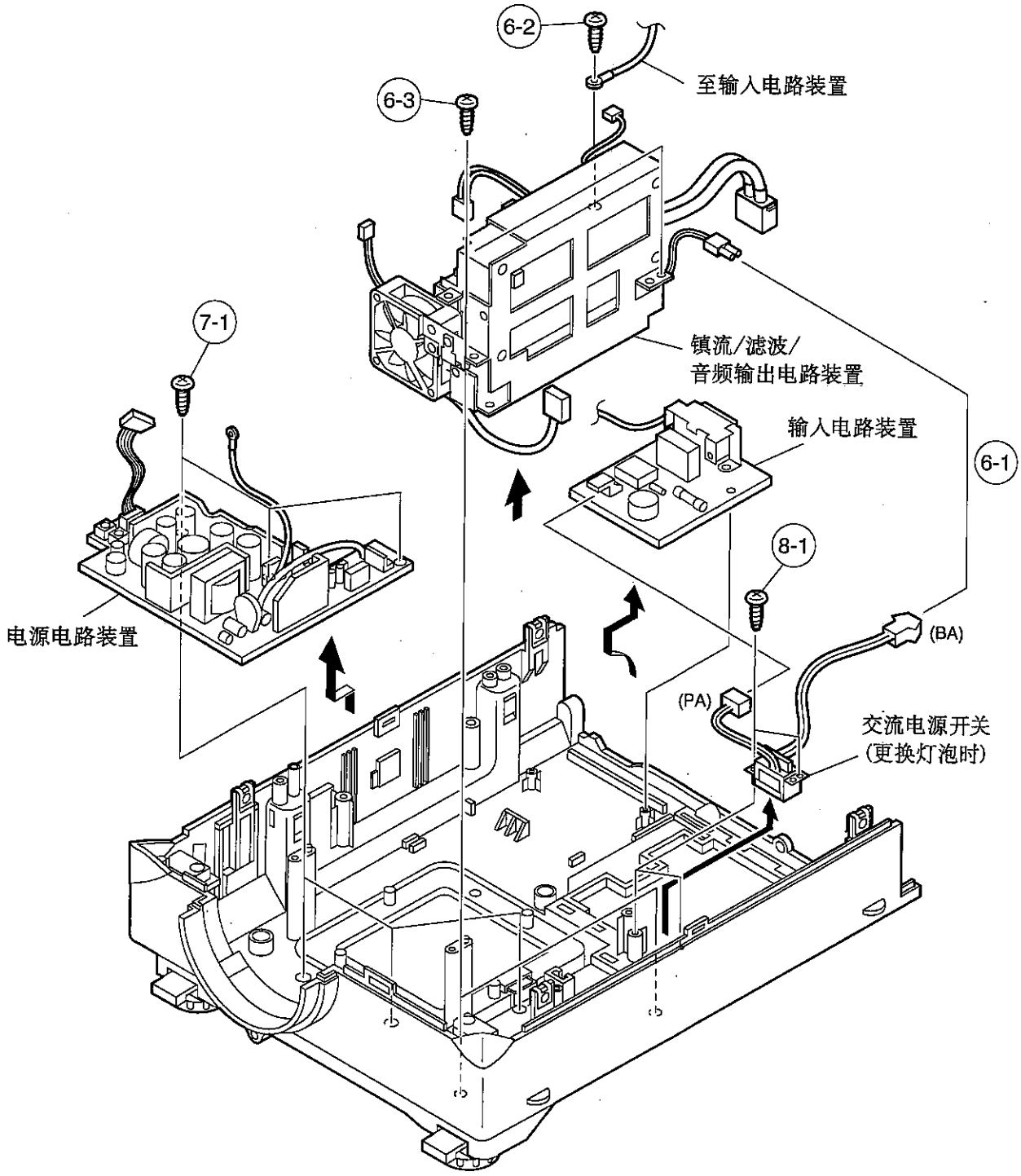
6-1. 松开交流电源开关与插接器(BA)的连接。
6-2. 松开输入装置与接地线的连接。
6-3. 松去镇流电路装置／滤波器／音频输出装置组件上的两支固定螺丝，取出该组件。

7. 电源电路装置的拆卸

7-1. 松去电源电路印刷电路板上的 3 支固定螺丝，取下电源电路装置。

8. 交流电源开关和输入电路装置的拆卸

8-1. 松去交流电源开关上的两支固定螺丝，接着松开输入装置与插接器(PA)的连接，拆下交流电源开关和输入装置。

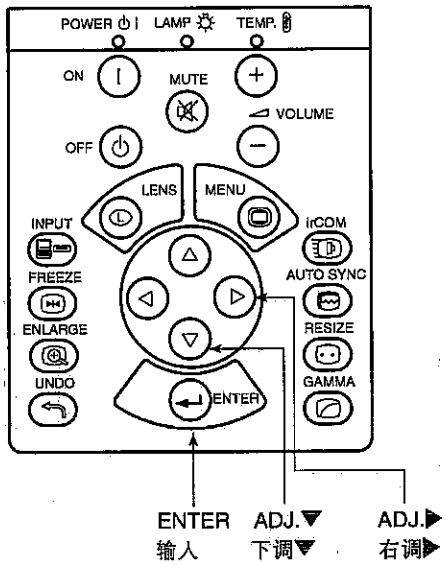


总灯定时器复位

总灯更换后，请按下述步骤对其定时器进行复位调整。

复位步骤

1. 同时按下投影机上的“ENTER”（输入），“ADJ.▼”（下调）和“ADJ.▶”（右调）三键，打开主电源开关（位于AC电源输入插孔之上）。
2. 总灯定时器复位至0，屏幕上表示出“000H”字样。



灯泡

本灯泡的总工作时间根据投影机使用环境不同而有差异，但是在一般情况下约可使用2,000小时。在总工作时间达到1,900小时，或者，图像和色彩质量显著地降低时，更换灯泡为宜。通过在屏表示功能可确认灯泡的使用时间。

危险

- 强烈的光线非常危险。在投影机使用中，切勿直接窥视小孔中或各镜头。

注意

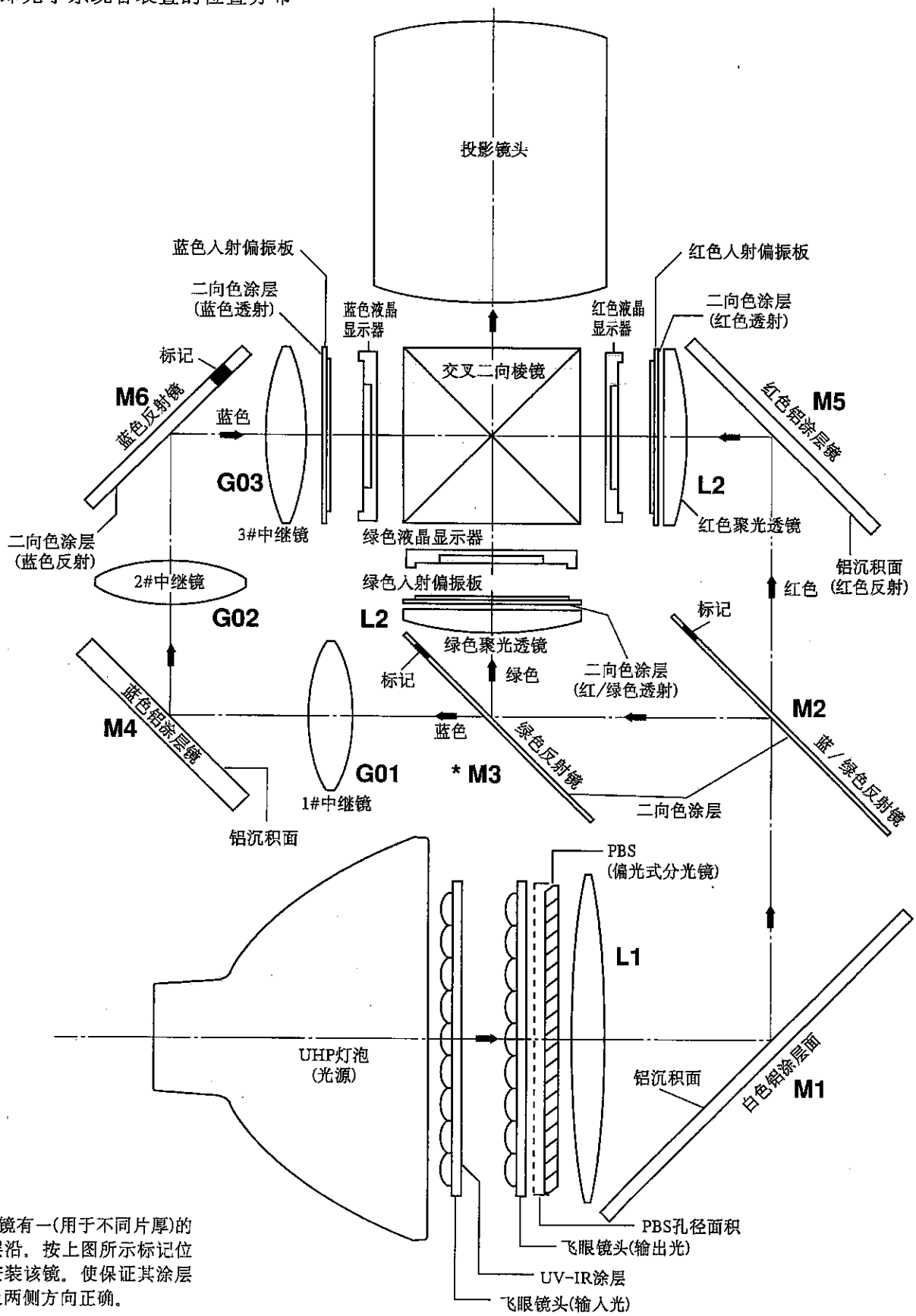
- 灯泡的总工作时间根据投影机的使用环境不同而有显著的差异，因此，可能有不能使用2,000小时的情况。

维修表示	状况	问题	对策
显示出TEMPERATURE WARNING(温度异常)的文字。	内部温度非常高。	● 进气口被堵塞	● 重新放置投影机于空气畅通之处。
		● 空气滤清器脏污	● 清扫空气滤清器。
		● 冷却风扇发生故障 ● 内部电路损坏	● 应委托附近的夏普公司公认的LCD产品经销商或维修中心进行修理。
显示出LAMP REPLACEMENT(灯泡更换)的文字。	灯泡不亮。	● 灯泡烧坏 ● 灯泡电路发生故障	● 灯泡换新。 ● 应委托附近的夏普公司公认的LCD产品经销商或维修中心进行修理。
显示出POWER(电源)的文字。	打开投影机的电源开关时，POWER的文字以红色闪动。	● 打开底部滤清器盖板	● 确实地关闭该盖板。

光学装置概要

光学系统的分布图

注：即光学系统各装置的位置分布



* M3 镜有一(用于不同片厚)的涂层沿。按上图所示标记位置安装该镜。使保证其涂层面及两侧方向正确。

会聚及焦点的调整

● 此项调整应在拆下顶盖和各液晶显示板保炉盖并打开电源开关之状态下进行。
图像调整用遥控器进行。调整步骤如下所示。

1. 调整投影镜头的焦点
(A)更换 3 原色液晶显示板
1. 在更换全部原色液晶显示板之前，先在屏幕上投影一个图像，并调准其焦点。
2. 拆去全部旧的原色液晶显示板，用新品更换之，并调整其焦距。调整过程中，不应变化投影机与屏幕间的距离，也不应转动投影镜头及其变焦环。
如焦距调整用的距离关系不一，投影距离与屏幕尺寸的关系则会受到影响。也就是说，短距离投影图像（例如，40WIDE）可能会超出焦距范围，或者长距离投影图像（例如，300WIDE）可能会不达焦距范围。

(B)更换 3 原色液晶显示板中的一片或两片
1. 更换一片或二片原色液晶显示板后调整焦距之场合，先在屏幕上投影一个图像，并调准其焦点。
2. 更换新品原色液晶显示板后，再进行焦距调整。调整过程中，不应变化投影机与屏幕间的距离，也不应转动投影镜头及其变焦环。
（如上述距离或投影镜头被变动，则需重复上述 1 和 2 之步骤。）

2. 绿色液晶显示板的调整
(A)焦点调整（此项调整在全白屏幕上进行）
1. 横向中心焦点（θ Y 方向）的调整。
松开锁紧螺丝 “b” 和 “c”，插偏头螺磁刀于槽孔 “b” 之中。施转此螺丝刀进行调整节，让屏幕左右两半焦点清晰。
先保持左右两半焦点的平衡，然后边进行下列 2. 的调整边堤高焦点准确度。
2. 纵向中心焦点（θ X 和 Z 方向）的调整。
松开锁紧螺丝 “a” 和 “c”，插偏头螺丝刀于槽孔 “a” 和 “c” 之中。施转此螺丝刀进行调节，让屏幕顶边，纵向中心以及底边焦点清晰。这时，临时施紧锁紧螺丝 “b”，固定 θ Y 方向的调整。
3. 重复上述 1，2 步骤，直至对焦精调完成为止。之后，施紧所有锁紧螺丝。

注意:
① 焦点调整必须谨慎进行，因为各方向的调整均是相互影响的。
② 会骤和对焦调整过程中，切勿转动投影镜头的变焦环和对焦环。

(B)会骤调整
● 绿色液晶显示板没有会骤调整机构。此液晶显示板起会聚调整基准之作用。

3. 绿色液晶显示板的调整（红色液晶显示板的调整相同）
(A) 焦点调整
● 调整步骤与绿色液晶显示板的焦点调整相同，但 Z 方向的调整范围较小。此外，蓝色与绿色液晶显示板间会聚差异较大时，则需先调会聚后调焦点。
(B)会骤调整
● 用棋盘格图案信号进行此项调整。
此项调整应用绿色或与其有关彩色来进行。
(1) 松开锁紧螺丝 “d”。
(2) 以绿色液晶显示板在屏幕的中心为基准，没 X，Y 及 θ Z 方法调整蓝色液晶显示板。
(3) 达至要求后，施紧会聚锁紧螺旋丝 “d”。

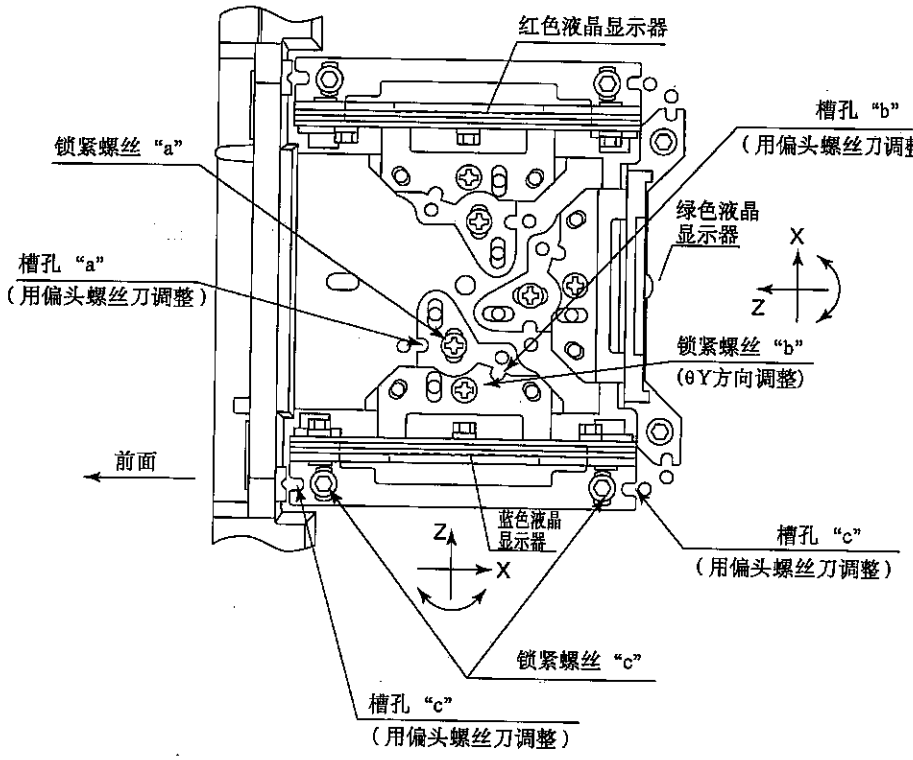
注意:

① 偏心凸轮在会聚调整中起了作用。这便意味其施转及移动非均匀。

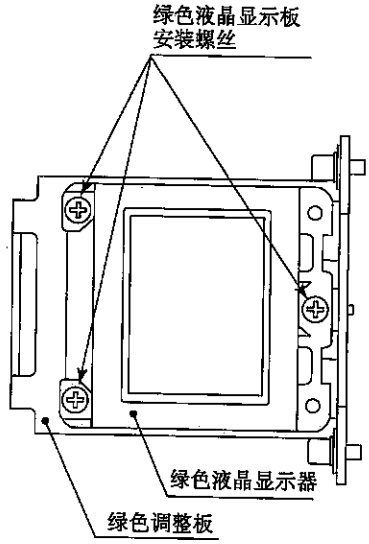
② 本投影机没有装备液晶成象过程中使用了二向色涂屋技术。各原色液晶显示板的达到最佳焦距调整状态时，成像自动会聚完成。

会聚和焦头调整的机构

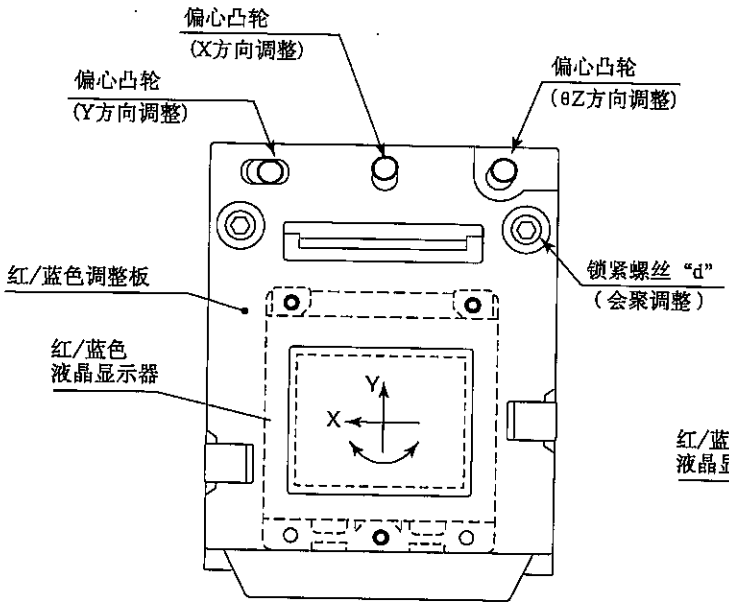
顶视图



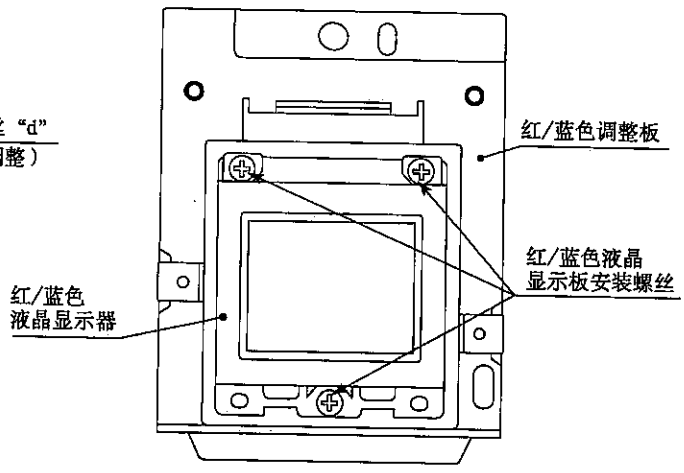
侧视图



侧视图 (从内部来看)



侧视图 (从内部来看)



会聚度和焦点的初看调整

调整方向

调整	方向	说明	液晶显示板的方向
会聚度	X 方向		左右
	Y 方向		上下
	θZ 方向	绕 Z 轴施转	施转轴
焦点	Z 方向		光学轴
	θX 方向	绕 X 轴施转	上至下拍打
	θY 方向	绕 Y 轴施转	左至右拍打

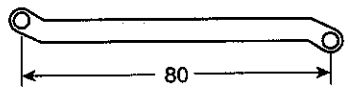
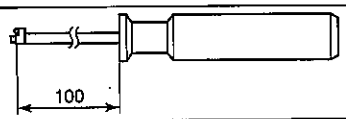
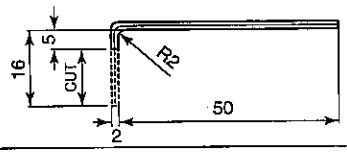
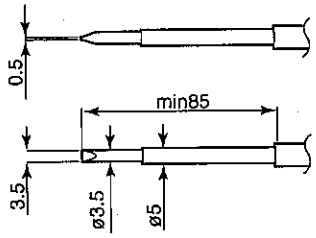
光学机构的会聚度和焦点的调整

色彩	调整	方向	移动	位置	调整工具	锁紧螺丝	紧固工具
红/蓝色	会聚度	X 方向	±0.8mm	偏心凸轮	偏心凸轮调整板手	d	六角板手
		Y 方向	±0.8mm	偏心凸轮	偏心凸轮调整板手	d	六角板手
		θZ 方向	±1°	偏心凸轮	偏心凸轮调整板手	d	六角板手
	焦点	Z 方向	±0.8mm	槽孔 “a” 和 “c”	片头螺丝刀，平头螺丝刀	a, c	菲力浦螺丝刀 * 六角板手
		θX 方向	±1°	槽孔 “a” 和 “c”		a, c	
		θY 方向	±1°	槽孔 “b” 和 “c”		b, c	
绿色	焦点	Z 方向	±0.2mm	与红，蓝色相同			
		θX 方向	±1°				
		θY 方向	±1°				

焦点调整的其他方法

锁紧螺丝	位置	相关方向
a	槽孔 “a”	Z 和θX 方向
b	槽孔 “b”	θY 方向
c	槽孔 “c”	Z, θX 和θY 方向

会聚度和焦点的调整用工具

工具名	规格	工具代号	图样
偏心凸轮调整板手	特殊规格	9DASPN-XGNV1U	
片头螺丝刀	特殊规格	9EQDRiVER-NV1A	
六角板手	普通规格（重设计）	9EQLNC-XGNV1U	
平头螺丝刀	普通规格	9EQDRiVER-NV1B	
菲力浦螺磁刀	普通规格	—	用于 M2.6 皿形头机械螺丝
* 六角板手	普通规格	—	建议使用带把手的螺丝刀，长度为 70mm 以上。

液晶显示板的更换

在拆去顶盖的状态下

(1)松去液晶显示器保护盖上的两支固定螺丝。

(2)松去液晶显示板底面保护盖上的两支螺丝。

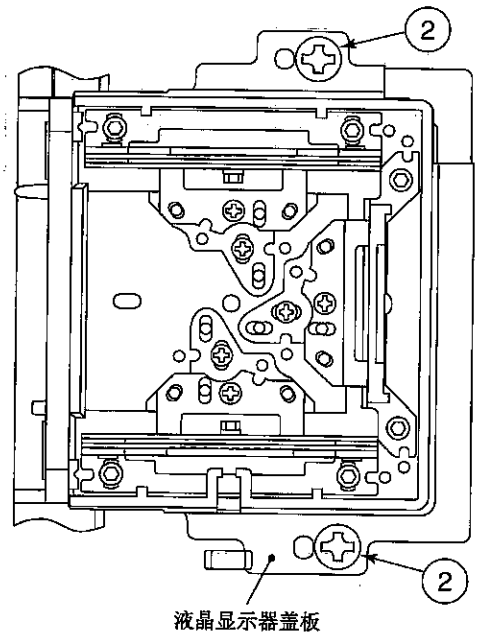
(3)松去锁紧螺丝“b”和“c”。连用液晶显示板一起拆下红，蓝色调整板或绿色调整板。

(4)从液晶显示板上拆下此调整板。

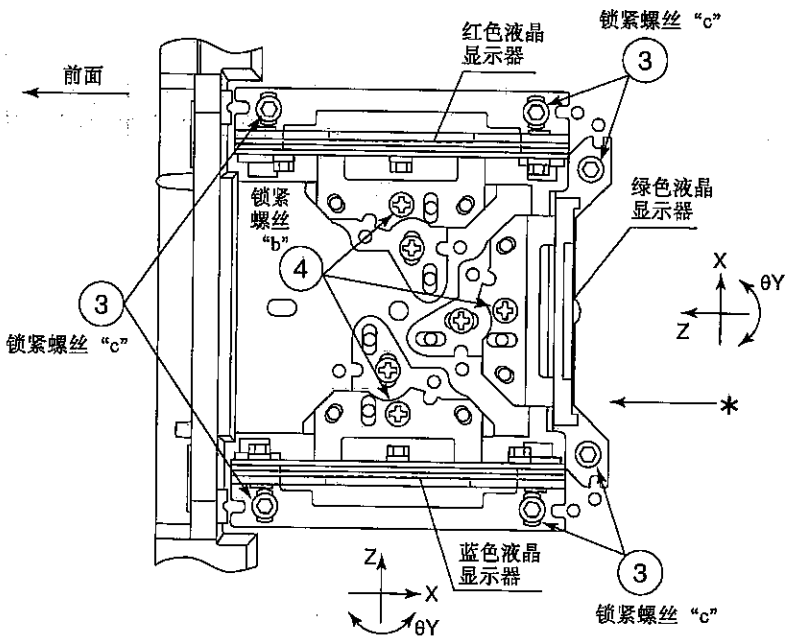
(5)按上述相反顺序安装相应的新品液晶显示板。

* 更换后重调会聚度和焦点。注意，绿色液晶显示板不需作会聚调整，而且其Z方向的调整范围较小。

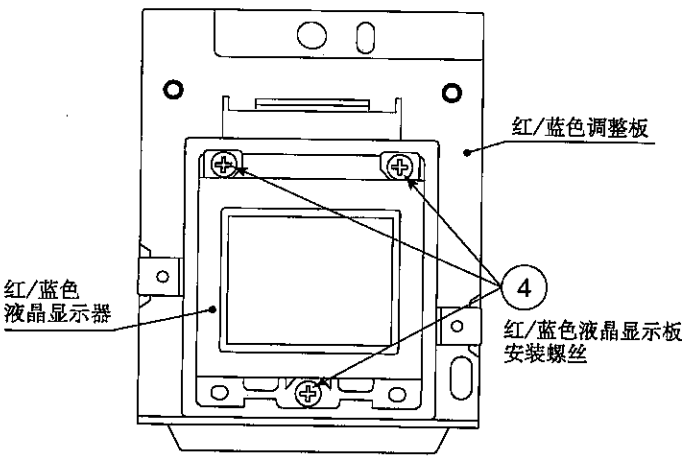
顶视图



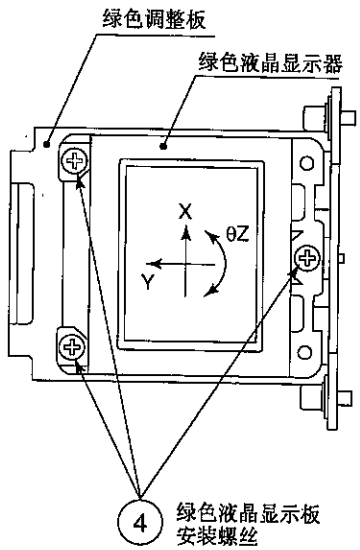
顶视图



侧视图



侧视图

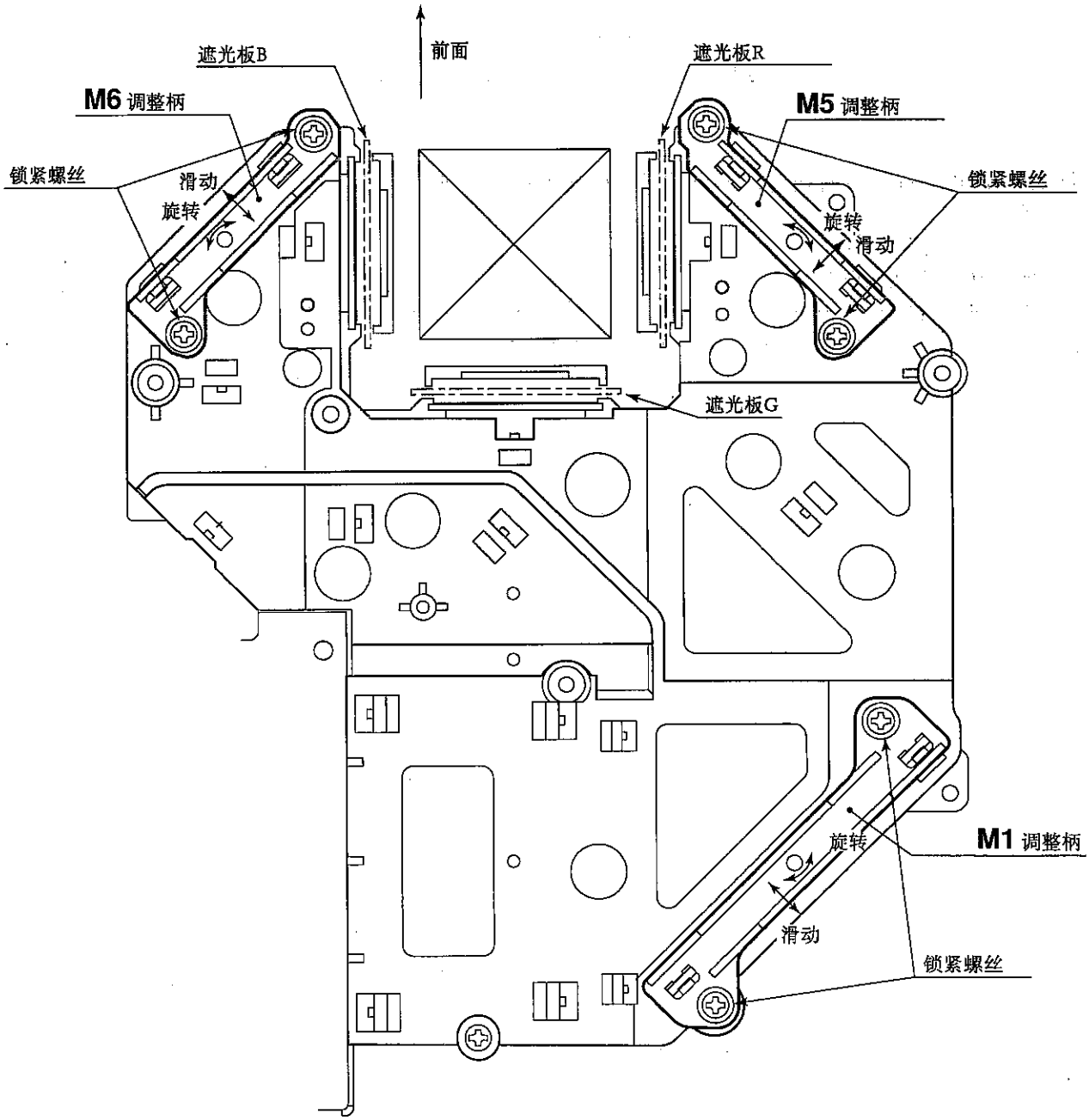


反射镜（M1，M5 和 M6）光轴的调整

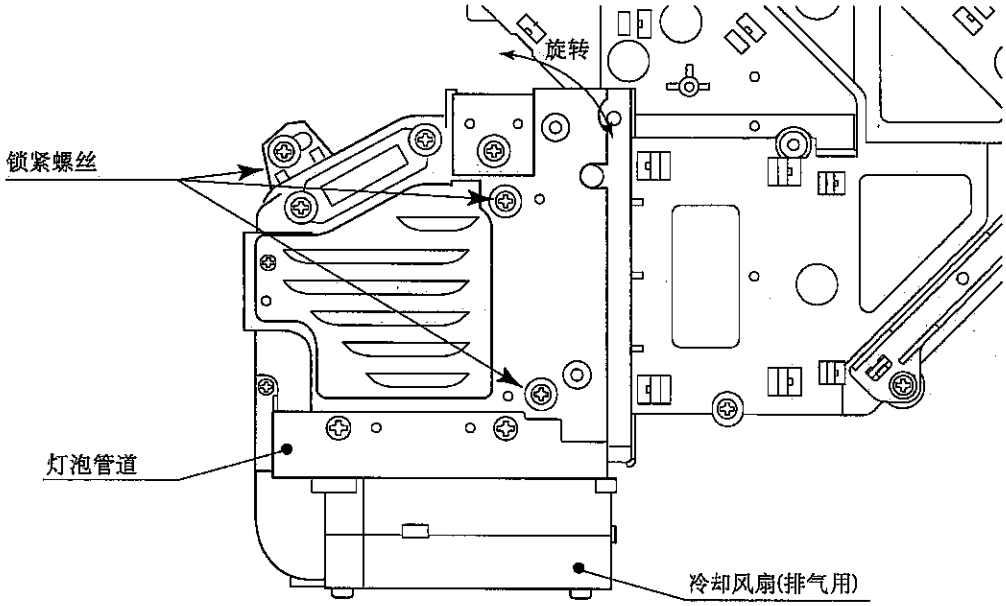
红色(R)，绿色(G)，和蓝色(B)反射镜发生重迭成像时，应对其光轴进行调整。一般说，更换机内的任何光学元件后均必须对各反射镜光轴进行调整。

更换机内的光学元件或调整聚焦度后，请按下述步骤调整各反射镜光轴。

(1) 拆下所有的液晶显示板上的扁平电缆。
(2) 点亮总灯。
(3) 用遮光板遮挡住红色(R)和蓝色(B)反射镜（可用商用磁卡或类似可遮光板的板片），调整绿色(G)反射镜。
(4) 施松 M1 调整柄锁紧螺丝。
(5) 观察屏幕上的绿色(G)图像，施转或滑动M1调整柄，直至屏幕上的黯块消失。然后，锁定好调整柄。
(6) 用遮光片遮挡住绿色(G)和蓝色(B)反射镜，调整 M5 调整柄。之后，用相同要领，遮挡住红色(R)和绿色(G)反射镜，调整 M6 反射镜。
（调整要领见上述步骤(4)和(5)。）
(7) 揭去所有的遮光片，屏幕应为白色图像。
确让屏幕上没有黯块。



灯泡管道的调整

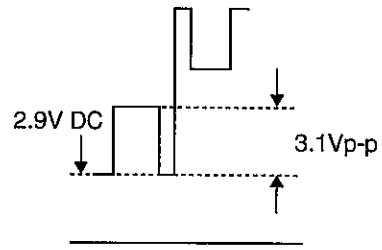
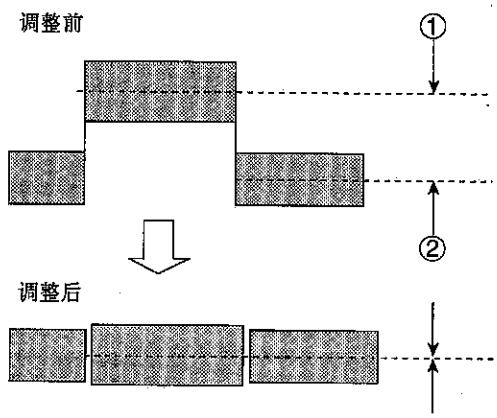
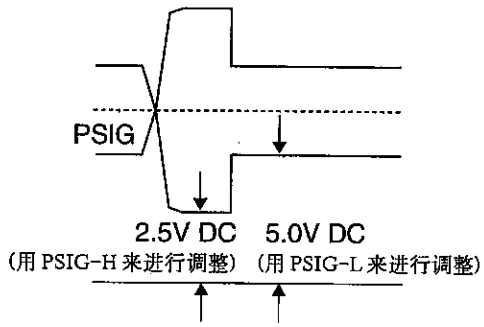


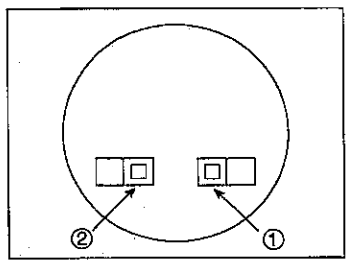
更换灯泡后，屏幕左右两边的均匀性不正常时，请按下述步骤进行调整。
(1)灯泡点亮。
(2)接收 100% 白色图案信号。
(3)松去灯泡管道上的锁紧螺丝。
(4)观察屏幕上的白色图像，旋转灯泡管道，直至屏幕上的均匀性达至最佳状态为止。
(5)紧固灯泡管道上的锁紧螺丝(安装力矩为 10 ± 2kg · cm)。

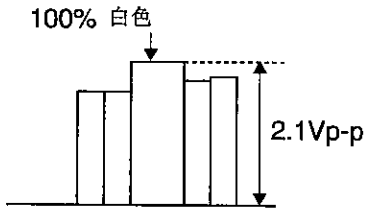
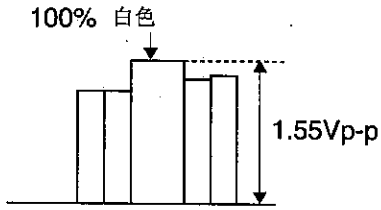
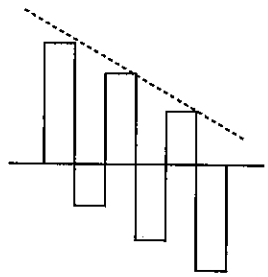
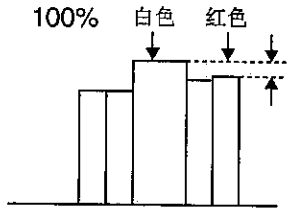
电路调整

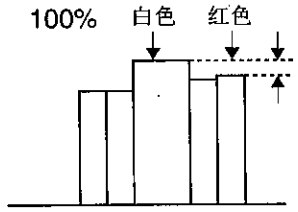
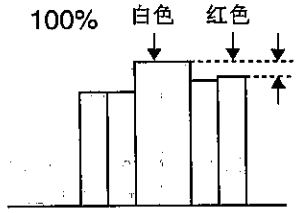
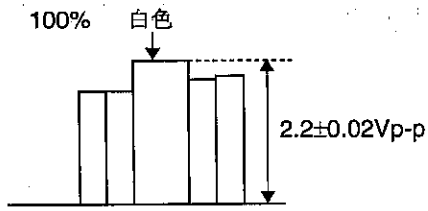
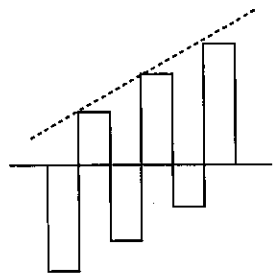
为了输入调整条件中所述的规定信号，必须连接信号发生器，或将 DOSV 或 MAC 微型计算机连接于本投影机。

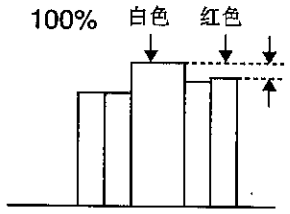
序号	调整位置	调整条件	调整方法
1	EEPROM 的初始化	1. 打开电源开关（确让是否处于灯亮状态），然后预热投影机 15 分钟。	● 按下列要求进行设定: 触按 S5001 开关，以呼出处理状态，然后执行 SSS 菜单中的 S2 和 S4。至此完成了本系统的初始化。但是不包括印刷电路板的初始化。此时，切勿执行 S1，否则，印刷电路板就会被初始化。作印刷电路板的调整时，必须按“印刷电路板的调整方法”所述的步骤进行调整。 （见第 122 页）。
2	3.3V 电源的调整	1. 打开电源开关。 2. 接数字电压表于 TP8083。	● 调节VR704, 使电压表所示的读数达至3.300V ± 100mV。
3	2.5V 电源的调整	1. 打开电源开关。 2. 接数字电压表于 TP8082。	● 调节VR705, 使电压表所示的读数达至2.600V ± 100mV。
4	红色激励	1. 按下列要求进行选择: 主项目: A/D 副项目: GAIN 确让增益值是否定 170。 2. 输入 100% 红色信号，然后按下列要求进行选择: 主项目: A/D 副项目: R-D	● 触按控制开关或遥控键钮，调节数据，使信号达至无位噪声状态。
5	蓝色激励	1. 输入 100% 蓝色信号，然后按下列要求进行选择: 主项目: A/D 副项目: B-D	● 触按控制开关或遥控键钮，调节数据，使信号达至无位噪声状态。
6	绿色激励	1. 输入 100% 绿色信号，然后按下列要求进行选择: 主项目: A/D 副项目: G-D	● 触按控制开关或遥控键钮，调节数据，使信号达至无位噪声状态。
7	增益	1. 按下列要求进行选择: 主项目: A/D 副项目: GAIN	● 设定增益值为 170。

序号	调整位置	调整条件	调整方法
8	RGB （红绿蓝三色） 1 系统的黑色电平信号振幅 （奇数）	1. 按下列要求进行选择： 主项目：OUTPUT1 副项目：R1-BLK R1-GAIN 绿色之场合，选择副项目中的 G1-BLK 和 G1-GAIN。 黑色之场合，选择副项目中的 B1-BLK 和 B1-GAIN。 2. 红色之场合，接示波器于 TP1101。 绿色之场合，接示波器于 TP1201。 蓝色之场合，接示波器于 TP1301	● 选择副项目中的 R1-GAIN 触按控制开关或遥控键钮，使黑色峰值电平调至 3.1 ± 0.1Vp-p（直流电）。 ● 接着选择副项目中的 R1-BLK，调节黑色峰值电平至 2.9 ± 0.1V DC。  ● 按与上记相同要领进行绿色和蓝色的调整。
9	补偿电压的调整	1. 输入 50% 灰色图案信号。 2. 选择下列各项目。 主项目：OUTPUT2 副项目：R-OFFSET 然后，分别选择 G-OFFSET（绿色）和 B-OFFSET（蓝色）项目。 3. 接仪表于 TP1101 和 TP1104（红色）。 4. 接仪表于 TP1201 和 TP1204（绿色）与 TP1301 和 TP1304（蓝色）。	● 选择副项目中的 R-OFFSET。然后，调整输出波形（仪表荧屏上出现）的上部中心位置与下部中心位置的信号电平为相同程度。  ● 按与上记相同要领进行绿色和蓝色的调整。
10	视频信号	1. 红色之场合，接示波器于 TP1102。 绿色之场合，接示波器于 TP1202。 蓝色之场合，接示波器于 TP1302。 2. 按下列要求进行选择： 主项目：OUTPUT2 副项目：PSIG-H PSIG-L	● 调整 PSIG 波形，以获得下图所示的波形。  ● 检查绿色和蓝色波形是否与红色波形一致。

序号	调整位置	调整条件	调整方法
11	取样和同步脉冲相位 RCK-相位 GCK-相位 BCK-相位	1. 输入 XGA 制式 75Hz 黑色信号。 2. 按下列要求进行选择: 主项目: OUTPUT3 副项目: SH-PHASE (设标准电平于 8) 红色，绿色以及蓝色的相位均设定于 8。	● 触按控制开关或遥控键钮，以检查 "OUTPUT3" 的文字有无模糊不清或重像现象。若有异常时，应在序号 7 至 9 的范围内进行其设定的微调。
12	RGB (红绿蓝三色) 计数器电压的调整	1. 输入黑色与红色 (25%) 条状信号 (XGA)。 2. 按下列要求进行选择: 主项目: OUTPUT3 副项目: RC (R)	● 触按控制开关或遥控键钮，调节数据，使闪变赦应噪声达至最小程度。 ● 按与上记相同要领进行 BC (B) 和 GC (G) 的调整。 ● 检查屏幕上显示的图像中心和左右边是否均匀。若有不均匀状态时，则应重调图像，使左右边达至相同程度。
13	RGB (红绿蓝三色) 等级再生的调整	1. 输入 100% 绿色 SMPTE 图案信号 (XGA)。 主项目: OUTPUT1 副项目: G1-GAIN	● 调节 G-GAIN 数据，直至稍微看得到 ① 部分 (等级为 95% 和 100% 白色) 的图像 (如下图所示)。然后，再检查 ② 部分 (等级为 0% 和 5% 黑色) 的图像是否看得很清楚。 
14	RGB (红绿蓝三色) 白色平衡	1. 输入 32 等级灰度测试信号 (XGA 60Hz)。 主项目: OUTPUT1 副项目: R1-BLK (R) R1-GAIN (R) B1-BLK (B) B1-GAIN (B)	● 调节 R1-BLK 和 B1-BLK 数据，以符合灰色标度上的黑色平衡。然后，调节 R1-GAIN 和 B1-GAIN 数据，以符合灰色标度上的中心至白色平衡。 (调至最佳程度)
15	水平中心	1. 输入 NTSC 制式单像管图案信号。 2. 主项目: VIDEO2 副项目: N358-DLY (0) N443-DLY (0) PAL-DLY (0) SECAM-DLY (0) 检查各设定值是否如上所示。 3. 主项目: VIDEO1 副项目: NTSC-H	● 触按控制开关或遥控键钮，调节数据，以获得相同的过扫描。

序号	调整位置	调整条件	调整方法
16	视频图像的调整	1. 输入条状彩条信号。 主项目: VIDEO1 副项目: PICTURE 2. 接示波器于 P801 脚(1)与 GND（接地端）之间。	● 触按控制开关或遥控键钮，调节黑色至白色（100%）电平间的差达至 2.1 ± 0.02Vp-p。 
17	视频 AGC (自动增益控制)	1. 输入条状彩条信号。 主项目: VIDEO1 副项目: AGC 2. 接示波器于 P801 脚(1)与 GND（接地端）之间。	● 触按控制开关或遥控键钮，调节黑色至白色（100%）电平间的差达至 1.55 ± 0.02Vp-p。 
18	视频亮度的调整	1. 输入基频带信号（条状彩条信号）。 主项目: VIDEO1 副项目: BRIGHT 2. 触按控制开关或遥控静噪键钮，设 γ 补正值于处理状态。	● 触按控制开关或遥控键钮，调节设定值，使黑色信号达至无位噪声状态，然后再设定于 -2 数值。
19	色调	1. 输入条状彩条信号。 主项目: VIDEO1 副项目: TINT 2. 接示波器于 P801 脚(4)。	● 触按控制开关或遥控键钮，调节数据，使蓝色亮度（B-Y）信号的波形达至下图所示的规定要求。 
20	NTSC 制式彩色饱和电平	1. 输入条状彩条信号。 主项目: VIDEO1 副项目: N-COLOR 2. 接示波器于 P801 脚(1)。	● 触按控制开关或遥控键钮，调节数据，使 100% 白色部分与红色部分间的差达至 0.20 ± 0.02Vp-p。 （与 100% 白色相同） 

序号	调整位置	调整条件	调整方法
21	PAL 制式彩色饱和电平	1. 输入条 PAL 制式彩条信号。 主项目: VIDEO1 副项目: P-COLOR 2. 接示波器于 P801 脚(1)。	● 触按控制开关或遥控键钮，调节数据，使 100% 白色部分与红色部分间的差达至 0.36 ± 0.02Vp-p。 
22	SECAM 制式彩色饱和电平	1. 输入SECAM制式彩条信号。 主项目: VIDEO1 副项目: S-COLOR 2. 接示波器于 P801 脚(1)。	● 触按控制开关或遥控键钮，调节数据，使 100% 白色部分与红色部分间的差达至 0.50 ± 0.02Vp-p。 
23	视频白色平衡	1. 输入 NTSC 制式单像管图案信号。 主项目: VIDEO2 副项目: R1-GAIN B1-GAIN	● 触按控制开关和遥控键钮，进行调节，使全体屏幕上均匀地不显示出彩色。
24	DVD 对比度	1. 输入 480I 合成信号中的彩条信号于 BNC G(Y)输入端。 2. 选择下列各项目 主项目: DVD 副项目: CONTRAST 3. 接示波器于 P803 脚(1)。	● 触按控制开关或遥控键钮，使黑色与 100% 白色间的振幅调至 2.2 ± 0.02Vp-p。 
25	DVD 色调	1. 输入 480I 合成信号中的彩条信号于 BNC Y，Pb 和 Pr 输入端。然后，输入只用于亮度信号的同步信号。 2. 选择下列各项目 主项目: DVD 副项目: TINT 3. 接示波器于 P803 脚(2)。	● 触按控制开关或遥控键钮，使B-Y波形调至下图所示的规定要求。 

序号	调整位置	调整条件	调整方法
26	DVD 彩色	1. 输入 480I 合成信号中的彩条信号于 BNC G(Y)输入端。 2. 选择下列各项目 主项目: DVD 副项目: COLOR 3. 接示波器于 P803 脚(1)。	● 使 100% 白色部分与红色部分间的电平差调至 0.15 ± 0.02Vp-p。 
27	彩色不规则性补偿位置	1. 输入只有灰色的 RGB 彩色信号。(XGA60Hz) 2. 使屏幕上的彩色不规则位置弄清楚。 3. 主项目: NOKO 副项目: NOKO-RL	● 在彩色上发生不规则性时调节NOKO-RL数据。在右边上发生不规则性时，该数据设定于R位置，在左边上发生不规则性时，该数据设定于L位置。 ● 在彩色上无发生不规则性时，触按 SW4201 开关，以
28	彩色不规则性补偿增益 (发生彩色不规则性时)	1. 输入只有灰色的 RGB 彩色信号。(XGA60Hz)	● 调节 R4215，使左右边的彩色不规则性达至最小程度。
29	彩色制式的性能检查	1. 接收彩条信号。	● 设定于处理状态，选择 L1，以检查彩色和色调。
30	视频制式的性能检查	1. 接收单像管图案信号。	● 设定于处理状态，选择L2，以检查图像，亮度及鲜明度。
31	音频制式的性能检查		● 设定于处理状态，选择L3，以检查低音，高音及其平衡状态。
32	RGB (红绿蓝三色) 的性能检查	1. 接收 RGB (红绿蓝三色)信号。	● 设定于处理状态，选择L4，以检查图像，亮度，红色，蓝色，时钟，相位，水平位置及垂直位置。
33	关机定时器的性能检查		● 设定于处理状态，选择OFF，然后检查关机定时器是否从 5 分钟开始启动并以 1 秒钟为单位递减至 0 时停止。

<table>
<tr><th>序号</th><th>调整位置</th><th>调整条件</th><th>调整方法</th></tr>
<tr><td>34</td><td>热敏电阻的
性能检查</td><td>1. 用吹风机加热热敏电阻。</td><td>● 检查显示屏上有无显示出 “TEMP” 的字样。</td></tr>
<tr><td>35</td><td>自动同步</td><td>1. 接收 PHASE 检查图案信号。</td><td>● 设定 VGA/S-VGA/XGA/SXGA/UXGA 状态，然后检查时钟，相位，水平和垂直位置是否自动地被调节。</td></tr>
<tr><td>36</td><td>IrDA 的性能检查</td><td></td><td>● 检查能否接收 IrDA 信号。</td></tr>
<tr><td>37</td><td>梯形失真补偿的
性能检查</td><td></td><td>● 检查梯形失真补偿功能是否正常。</td></tr>
<tr><td>38</td><td>出厂前设定</td><td></td><td>● 按下列要求进行设定。
<table><tr><th>程序调整</th><th>遥控器的设定</th></tr><tr><td>S4</td><td>“出厂前设定于 4”</td></tr></table></td></tr>
</table>

PC接口(CPCI-0035CE02. PC I/F装置)的调整

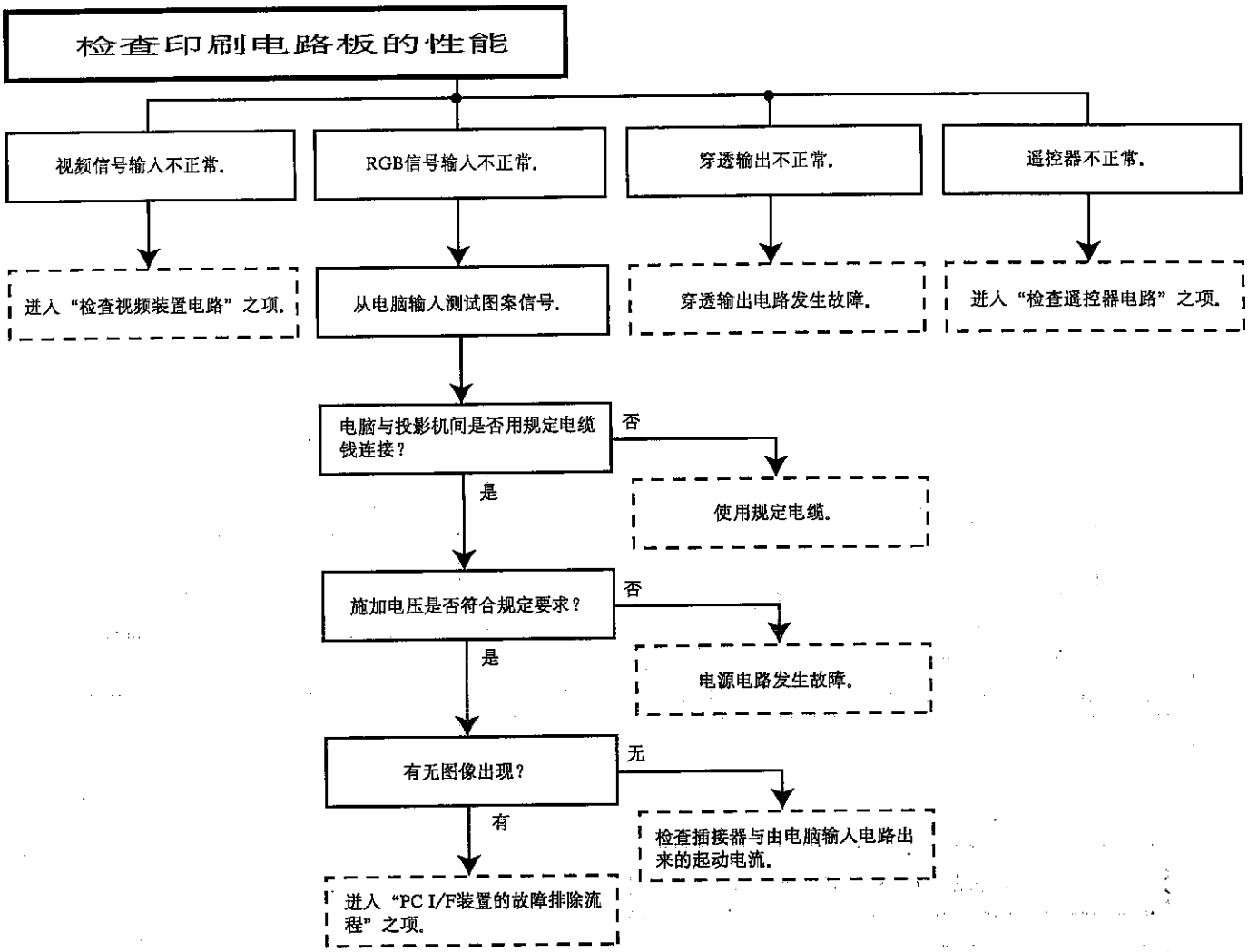
1. 示波器测试范围的设定
   设测试范围为DC1V/段和5μ/段。

2. PC接口的连接
   1) 将PC接口固定在规定位置，然后检查CON2、CON3和CON4插接器是否确实地分别插在规定置。
   2) 接电缆于ANALOG OUTPUT(PC电脑)与DSUB插接器(投影机的INPUT1)之间。
   3) 设定投影机的输入选择器于INPUT1位置。检查Dsub/BNC选择器是否处于Dsub位置。
   4) 在XGA状态(1024×768，60Hz 32等级)下设定PC电脑。调节黑色至白色部分的输出振幅700mVp-p(端接75Ω)。
   5) 打开电源开关。

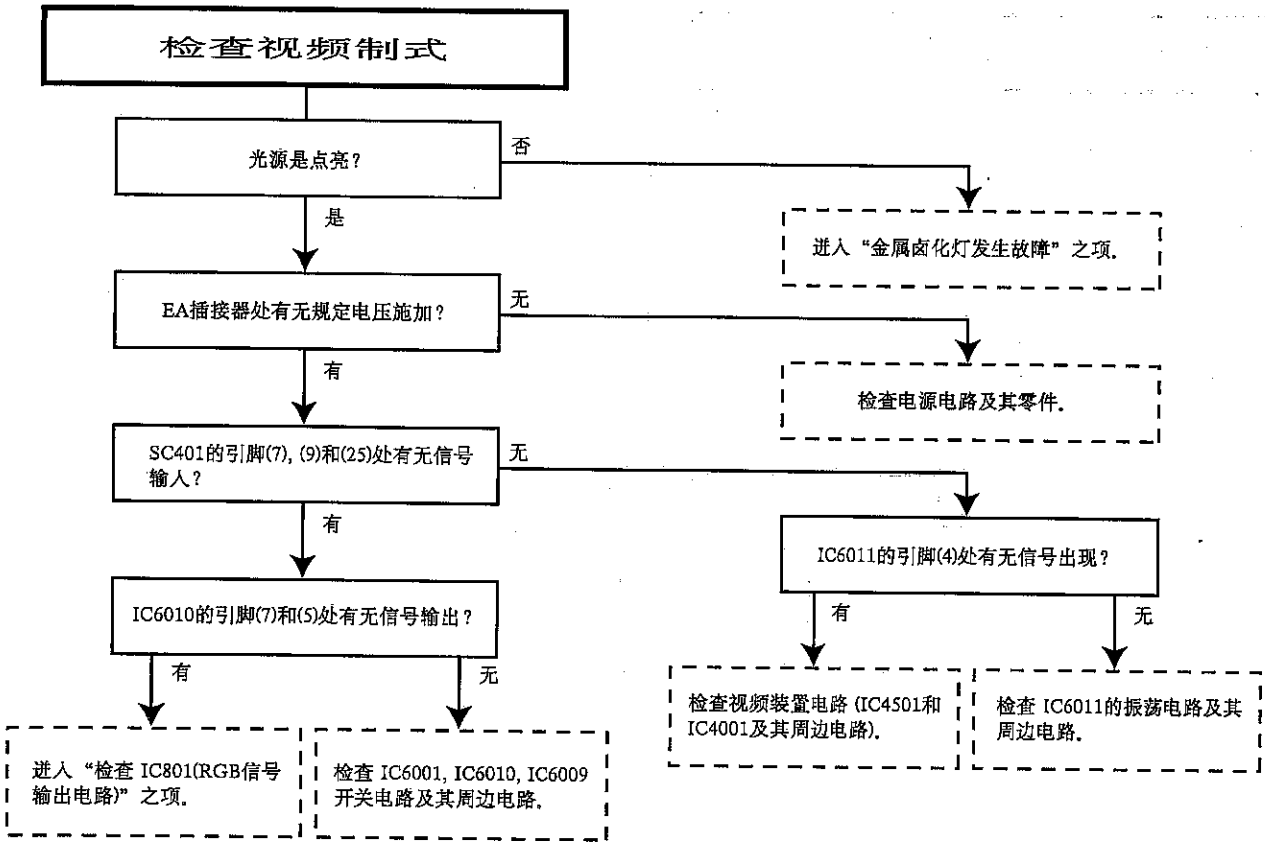
3. 调整和检查各电平值
   1) 触按S5001开关，以进入处理状态。
   2) 设定OUTPUT3菜单上的SH-PHASE于8。
      (将屏幕上的字样轮廓调至清晰状态)
   3) 接示波器于TP2，然后，调节OUTPUT2的M-BRIGHT数据，使黑色信号电平达至1.9V。
   4) 调节A/D的R-BRIGHT数据，使TP1处的黑色信号电平达至1.9V。
   5) 调节A/D的B-BRIGHT数据，使TP2处的黑色信号电平达至1.9V。
   6) 检查A/D菜单上的增益数据是否155。

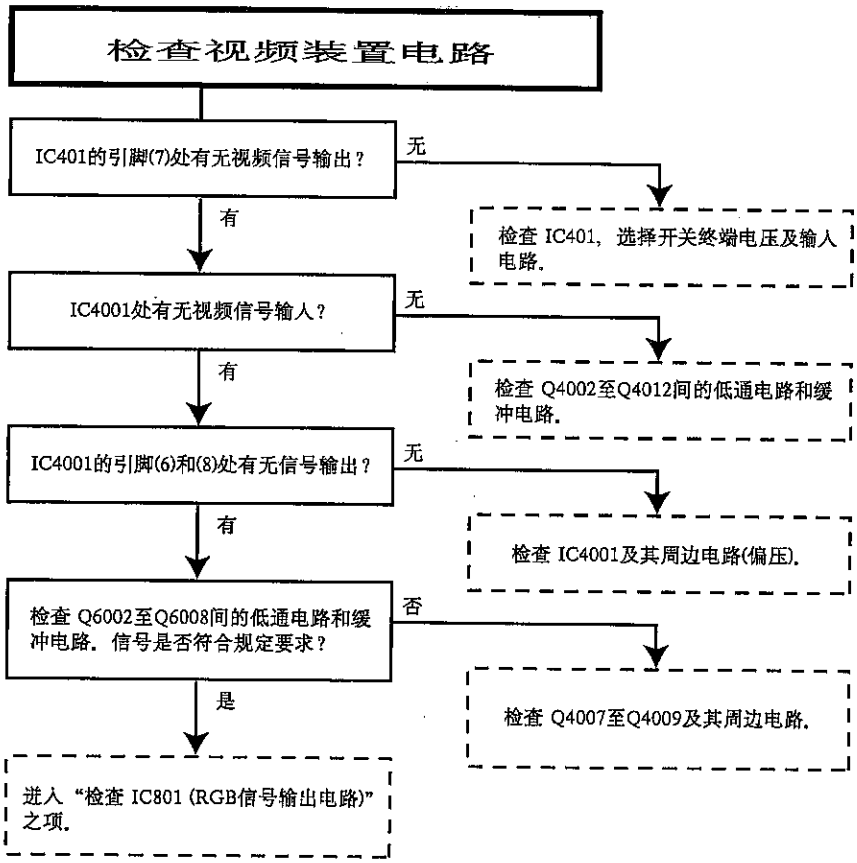
4. DTV的调整
   1) 设定开关于INPUT1的BNC输入端。
   2) 选择用于选择用户菜单(元件用)的信号方式。
   3) 输入480P的亮度信号于G(Y)输入端。遮断R(Pr)和B(Pb)信号。
   4) 接电压表于TP1，调节DTV的B-BRIGHT数据至2.65±0.02V。
   5) 接电压表于TP3，调节DTV的R-BBIGHT数据至2.65±0.02V。
   6) 最后，再触按S5001开关，解除处理状态。

故障排除流程

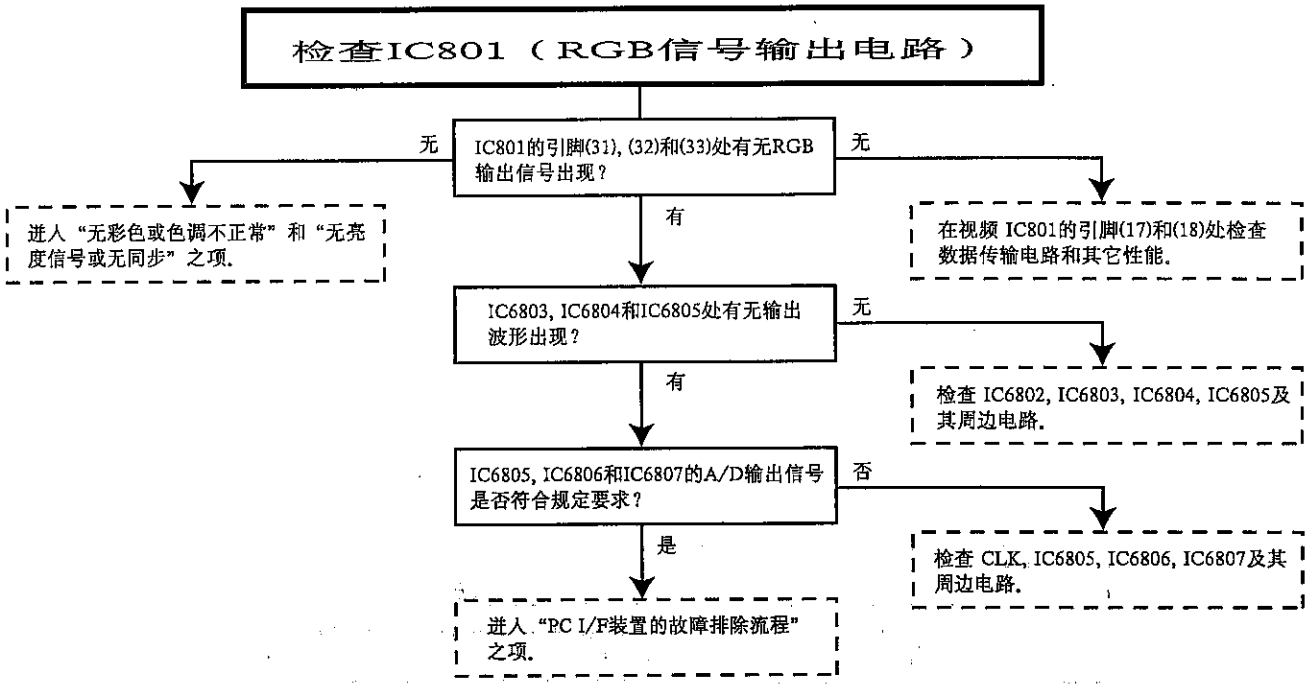

检查印刷电路板的性能
视频信号输入不正常.
RGB信号输入不正常.
穿透输出不正常.
遥控器不正常.
进入“检查视频装置电路”之项.
从电脑输入测试图案信号.
穿透输出电路发生故障.
进入“检查遥控器电路”之项.
电脑与投影机间是否用规定电缆线连接?
否
使用规定电缆.
是
施加电压是否符合规定要求?
否
电源电路发生故障.
是
有无图像出现?
无
检查插接器与由电脑输入电路出来的起动电流.
有
进入“PC I/F装置的故障排除流程”之项.

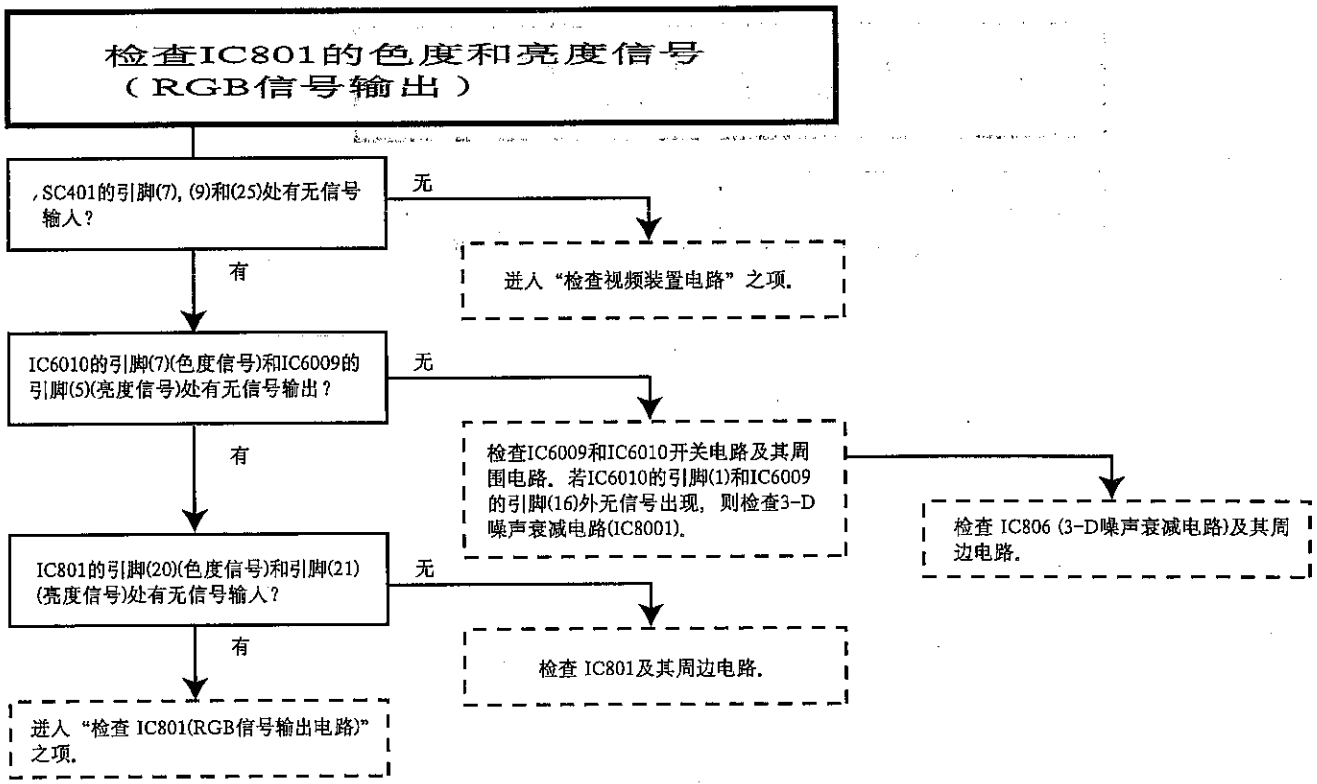
故障排除流程（接上页）


检查视频制式
光源是点亮？
否
是
进入“金属卤化灯发生故障”之项.
EA插接器处有无规定电压施加？
无
有
检查电源电路及其零件.
SC401的引脚(7), (9)和(25)处有无信号输入？
无
有
IC6011的引脚(4)处有无信号出现？
有
无
IC6010的引脚(7)和(5)处有无信号输出？
有
无
检查视频装置电路 (IC4501和IC4001及其周边电路).
检查 IC6011的振荡电路及其周边电路.
进入“检查 IC801(RGB信号输出电路)”之项.
检查 IC6001, IC6010, IC6009开关电路及其周边电路.

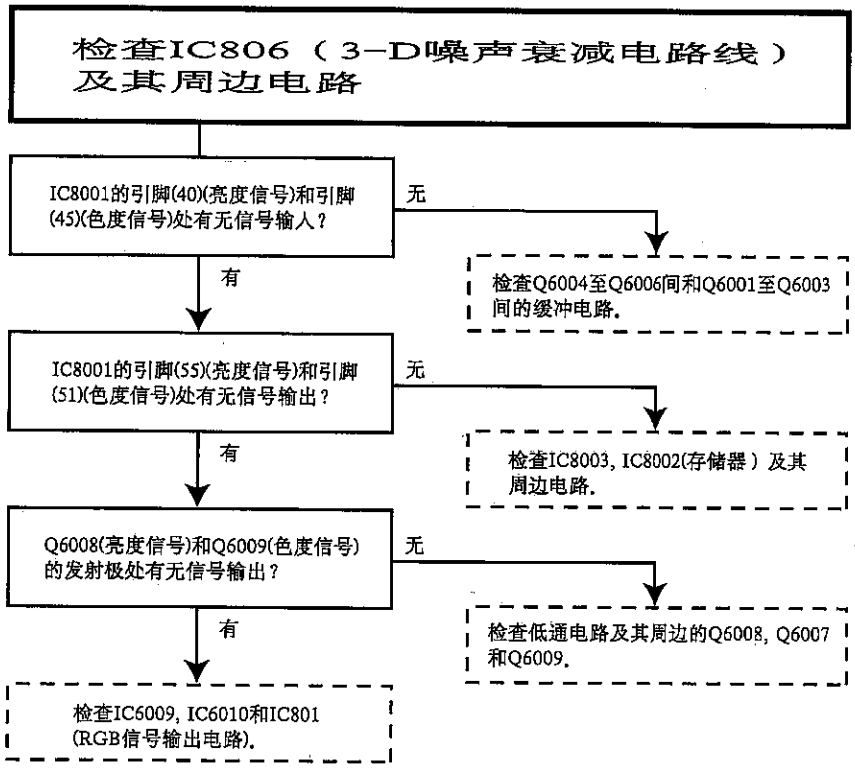

检查视频装置电路
IC401的引脚(7)处有无视频信号输出？
无
有
检查 IC401，选择开关终端电压及输入电路.
IC4001处有无视频信号输入？
无
有
检查 Q4002至Q4012间的低通电路和缓冲电路.
IC4001的引脚(6)和(8)处有无信号输出？
无
有
检查 IC4001及其周边电路(偏压).
检查 Q6002至Q6008间的低通电路和缓冲电路. 信号是否符合规定要求？
否
是
检查 Q4007至Q4009及其周边电路.
进入“检查 IC801 (RGB信号输出电路)”之项.

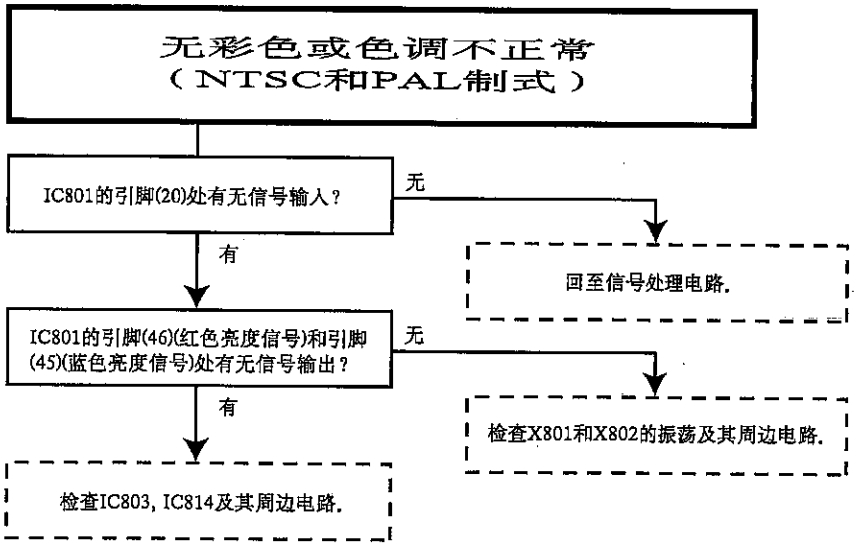
故障排除流程（接上页）


检查IC801（RGB信号输出电路）
IC801的引脚(31), (32)和(33)处有无RGB输出信号出现？
无
进入“无彩色或色调不正常”和“无亮度信号或无同步”之项.
有
无
在视频 IC801的引脚(17)和(18)处检查数据传输电路和其它性能.
IC6803, IC6804和IC6805处有无输出波形出现？
无
检查 IC6802, IC6803, IC6804, IC6805及其周边电路.
有
IC6805, IC6806和IC6807的A/D输出信号是否符合规定要求？
否
检查 CLK, IC6805, IC6806, IC6807及其周边电路.
是
进入“PC I/P装置的故障排除流程”之项.

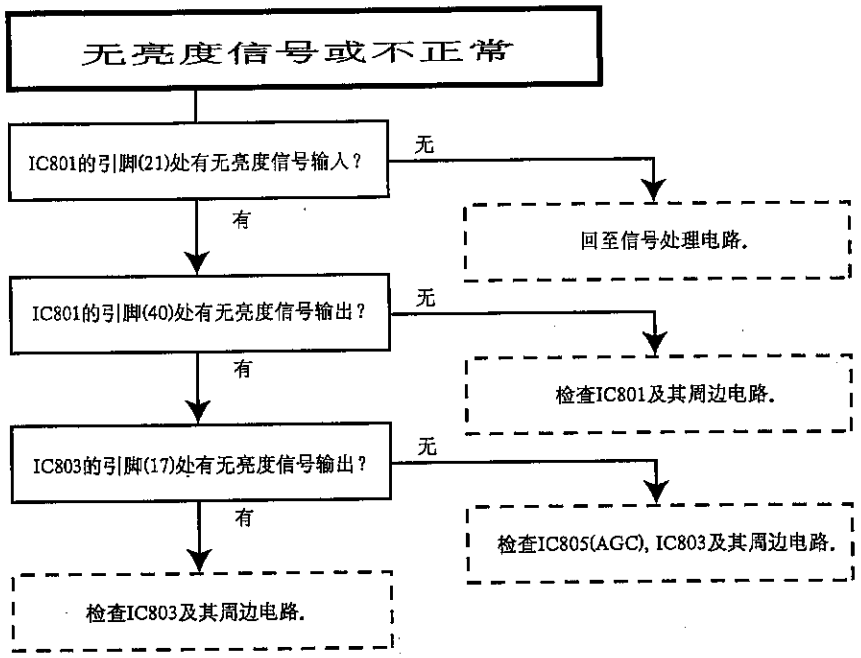

检查IC801的色度和亮度信号（RGB信号输出）
SC401的引脚(7), (9)和(25)处有无信号输入？
无
进入“检查视频装置电路”之项.
有
IC6010的引脚(7)(色度信号)和IC6009的引脚(5)(亮度信号)处有无信号输出？
无
检查IC6009和IC6010开关电路及其周围电路. 若IC6010的引脚(1)和IC6009的引脚(16)外无信号出现, 则检查3-D噪声衰减电路(IC8001).
检查 IC806 (3-D噪声衰减电路)及其周边电路.
有
IC801的引脚(20)(色度信号)和引脚(21)(亮度信号)处有无信号输入？
无
检查 IC801及其周边电路.
有
进入“检查 IC801(RGB信号输出电路)”之项.

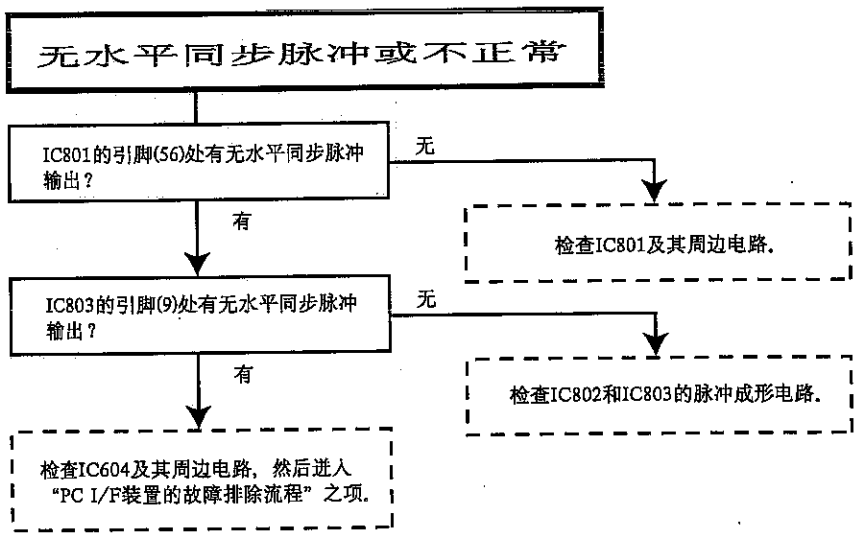
故障排除流程（接上页）

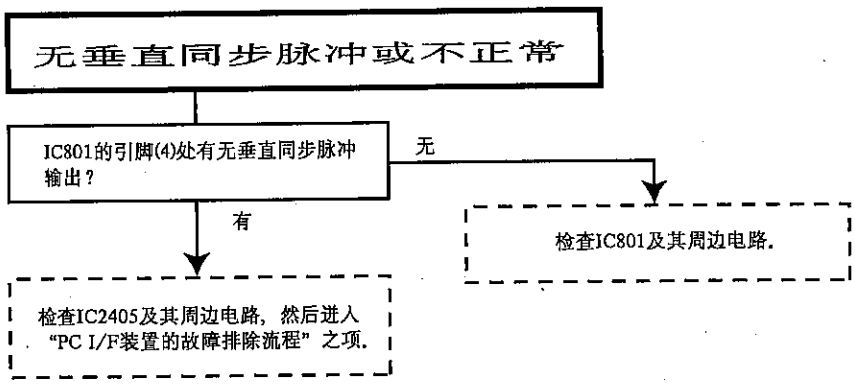

检查IC806（3-D噪声衰减电路线）及其周边电路
IC8001的引脚(40)(亮度信号)和引脚(45)(色度信号)处有无信号输入？
无
检查Q6004至Q6006间和Q6001至Q6003间的缓冲电路.
有
IC8001的引脚(55)(亮度信号)和引脚(51)(色度信号)处有无信号输出？
无
检查IC8003, IC8002(存储器）及其周边电路.
有
Q6008(亮度信号)和Q6009(色度信号)的发射极处有无信号输出？
无
检查低通电路及其周边的Q6008, Q6007和Q6009.
有
检查IC6009, IC6010和IC801(RGB信号输出电路).


无彩色或色调不正常（NTSC和PAL制式）
IC801的引脚(20)处有无信号输入？
无
回至信号处理电路.
有
IC801的引脚(46)(红色亮度信号)和引脚(45)(蓝色亮度信号)处有无信号输出？
无
检查X801和X802的振荡及其周边电路.
有
检查IC803, IC814及其周边电路.

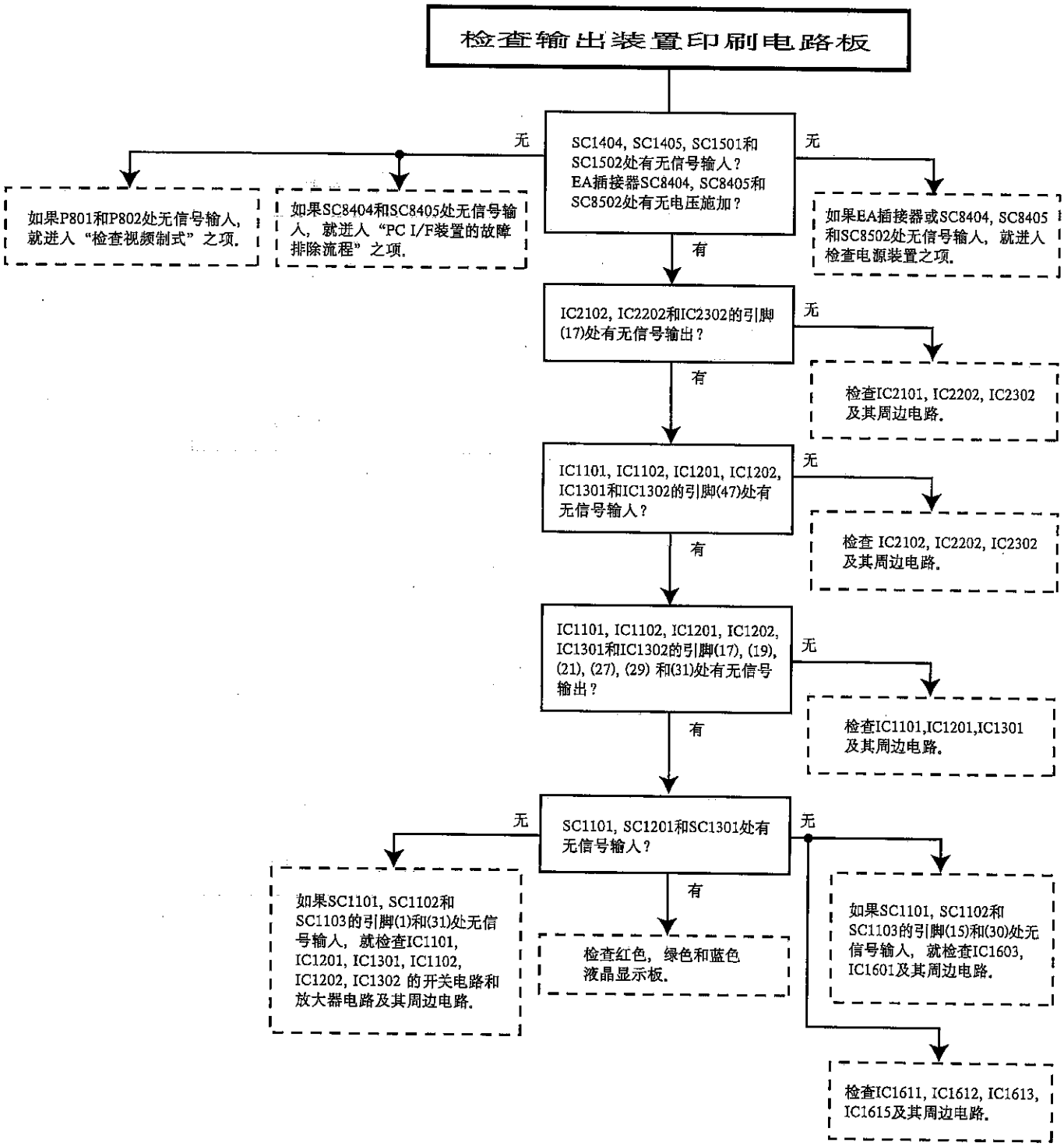
故障排除流程（接上页）


无亮度信号或不正常
IC801的引脚(21)处有无亮度信号输入？
无
回至信号处理电路.
有
IC801的引脚(40)处有无亮度信号输出？
无
检查IC801及其周边电路.
有
IC803的引脚(17)处有无亮度信号输出？
无
检查IC805(AGC), IC803及其周边电路.
有
检查IC803及其周边电路.

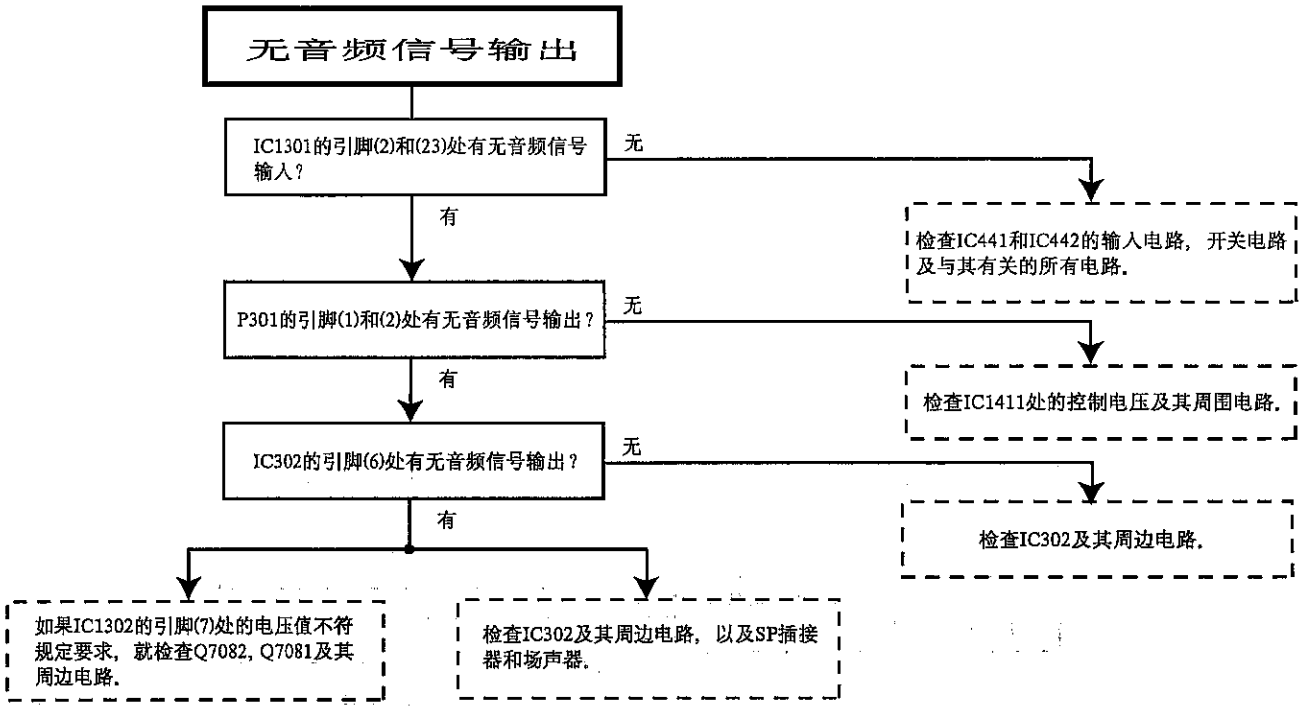

无水平同步脉冲或不正常
IC801的引脚(56)处有无水平同步脉冲输出？
无
检查IC801及其周边电路.
有
IC803的引脚(9)处有无水平同步脉冲输出？
无
检查IC802和IC803的脉冲成形电路.
有
检查IC604及其周边电路，然后进入"PC I/F装置的故障排除流程"之项.

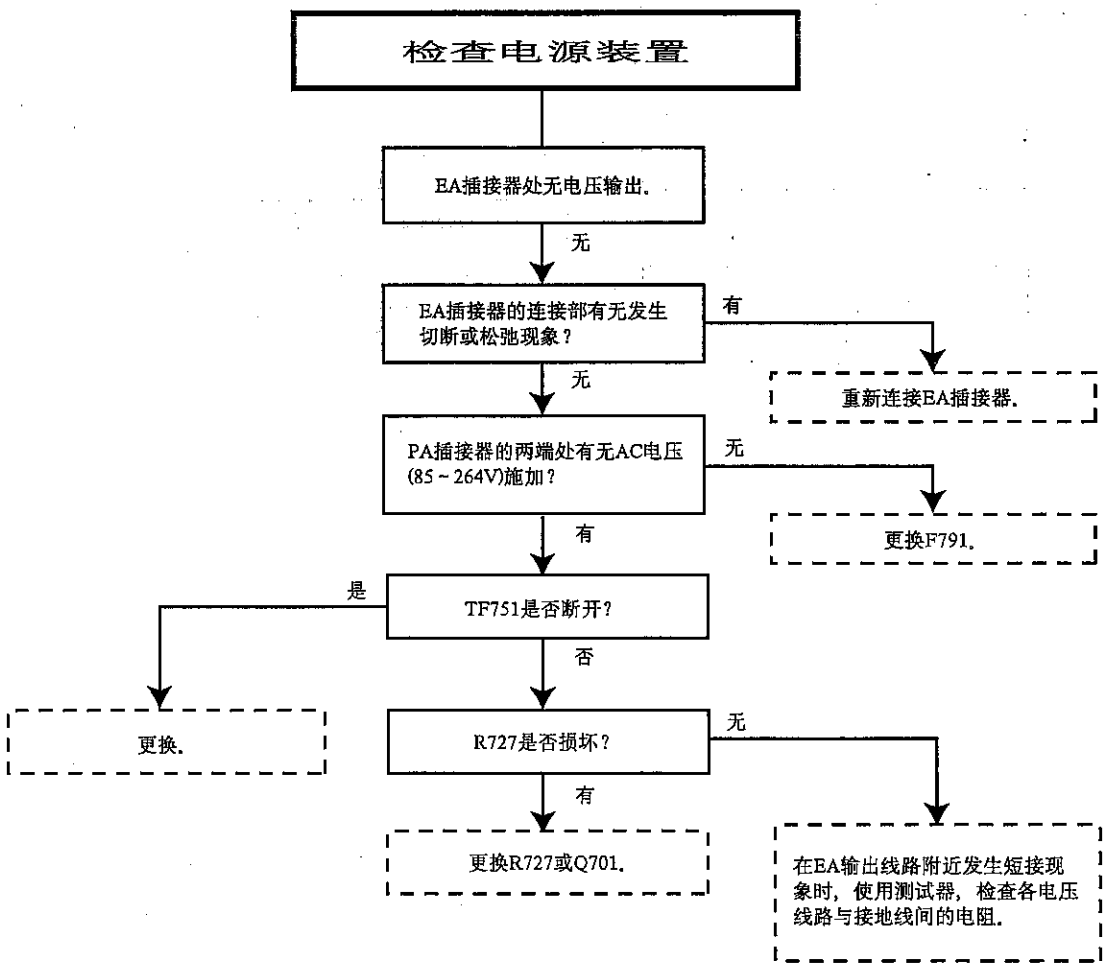

无垂直同步脉冲或不正常
IC801的引脚(4)处有无垂直同步脉冲输出？
无
检查IC801及其周边电路.
有
检查IC2405及其周边电路，然后进入"PC I/F装置的故障排除流程"之项.

故障排除流程（接上页）

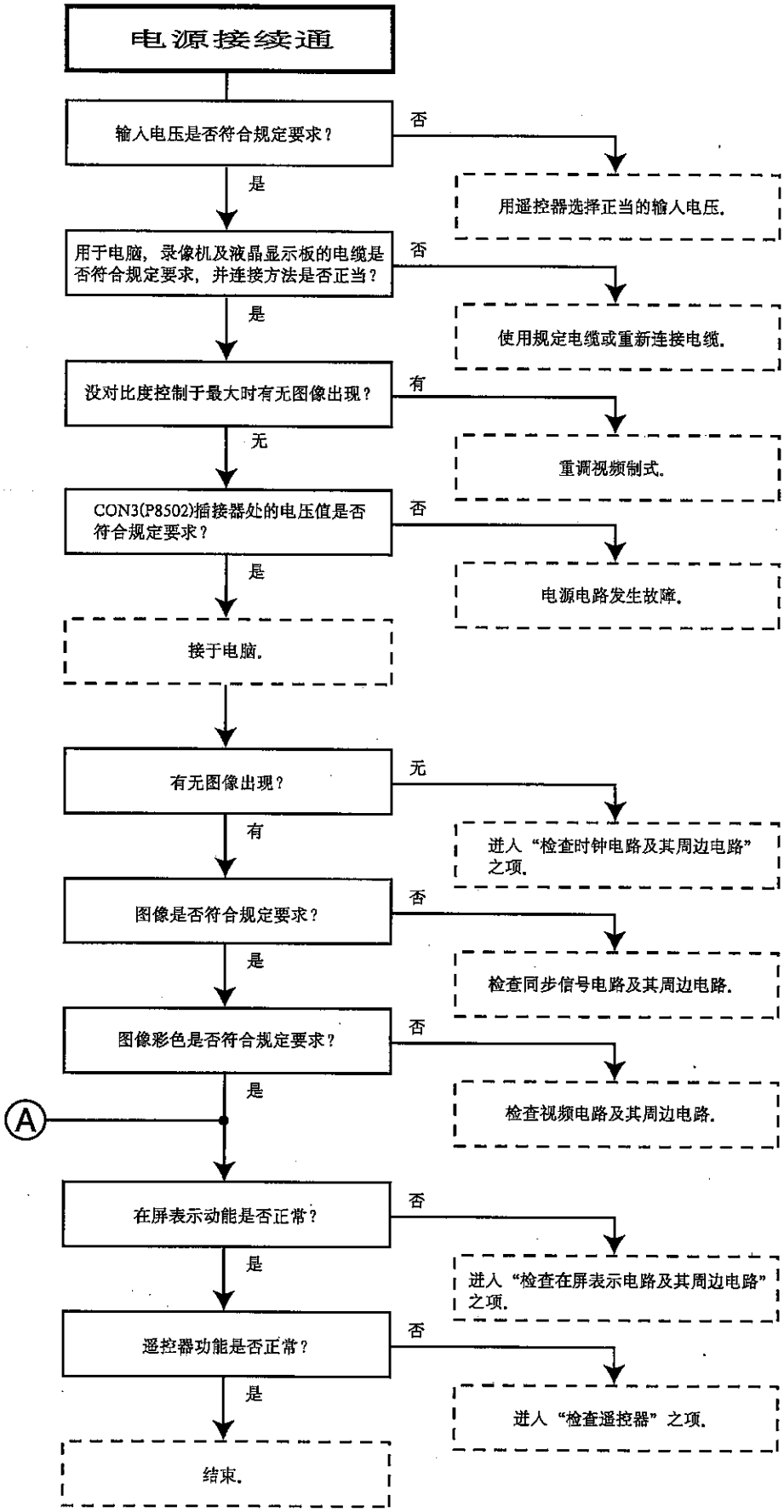

检查输出装置印刷电路板
SC1404, SC1405, SC1501和SC1502处有无信号输入？EA插接器SC8404, SC8405和SC8502处有无电压施加？
无
如果P801和P802处无信号输入，就进入“检查视频制式”之项.
如果SC8404和SC8405处无信号输入，就进入“PC I/F装置的故障排除流程”之项.
无
如果EA插接器或SC8404, SC8405和SC8502处无信号输入，就进入检查电源装置之项.
有
IC2102, IC2202和IC2302的引脚(17)处有无信号输出？
无
检查IC2101, IC2202, IC2302及其周边电路.
有
IC1101, IC1102, IC1201, IC1202, IC1301和IC1302的引脚(47)处有无信号输入？
无
检查 IC2102, IC2202, IC2302及其周边电路.
有
IC1101, IC1102, IC1201, IC1202, IC1301和IC1302的引脚(17), (19), (21), (27), (29) 和(31)处有无信号输出？
无
检查IC1101,IC1201,IC1301及其周边电路.
有
SC1101, SC1201和SC1301处有无信号输入？
无
如果SC1101, SC1102和SC1103的引脚(1)和(31)处无信号输入，就检查IC1101, IC1201, IC1301, IC1102, IC1202, IC1302 的开关电路和放大器电路及其周边电路.
有
检查红色，绿色和蓝色液晶显示板.
无
如果SC1101, SC1102和SC1103的引脚(15)和(30)处无信号输入，就检查IC1603, IC1601及其周边电路.
检查IC1611, IC1612, IC1613, IC1615及其周边电路.

故障排除流程（接上页）

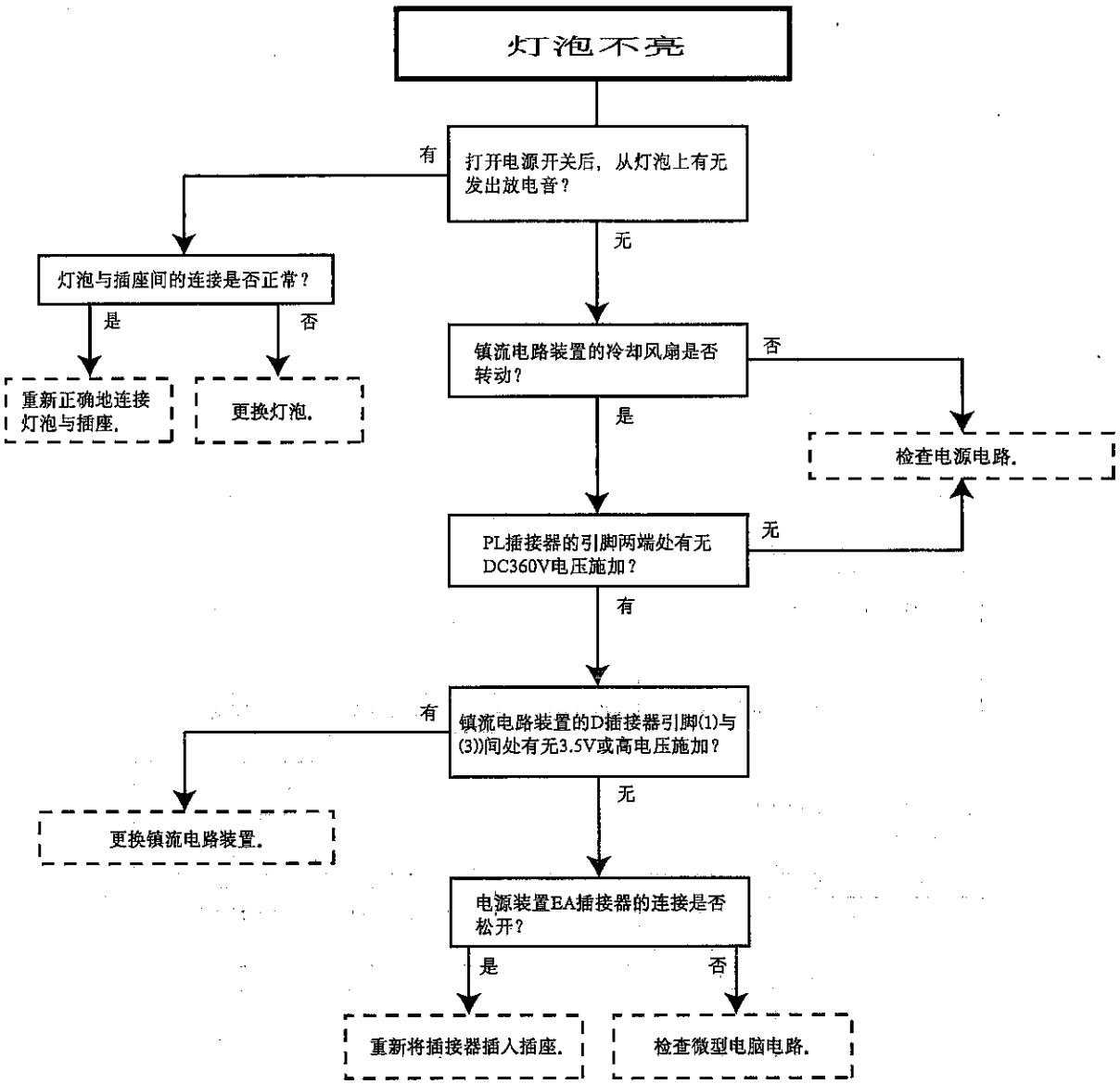

无音频信号输出
IC1301的引脚(2)和(23)处有无音频信号输入？
无
有
检查IC441和IC442的输入电路，开关电路及与其有关的所有电路。
P301的引脚(1)和(2)处有无音频信号输出？
无
有
检查IC1411处的控制电压及其周围电路。
IC302的引脚(6)处有无音频信号输出？
无
有
检查IC302及其周边电路。
如果IC1302的引脚(7)处的电压值不符规定要求，就检查Q7082, Q7081及其周边电路。
检查IC302及其周边电路，以及SP插接器和扬声器。


检查电源装置
EA插接器处无电压输出。
无
EA插接器的连接部有无发生切断或松弛现象？
有
重新连接EA插接器。
无
PA插接器的两端处有无AC电压(85～264V)施加？
无
更换F791。
有
是
TF751是否断开？
更换。
否
R727是否损坏？
无
有
更换R727或Q701。
在EA输出线路附近发生短接现象时，使用测试器，检查各电压线路与接地线间的电阻。

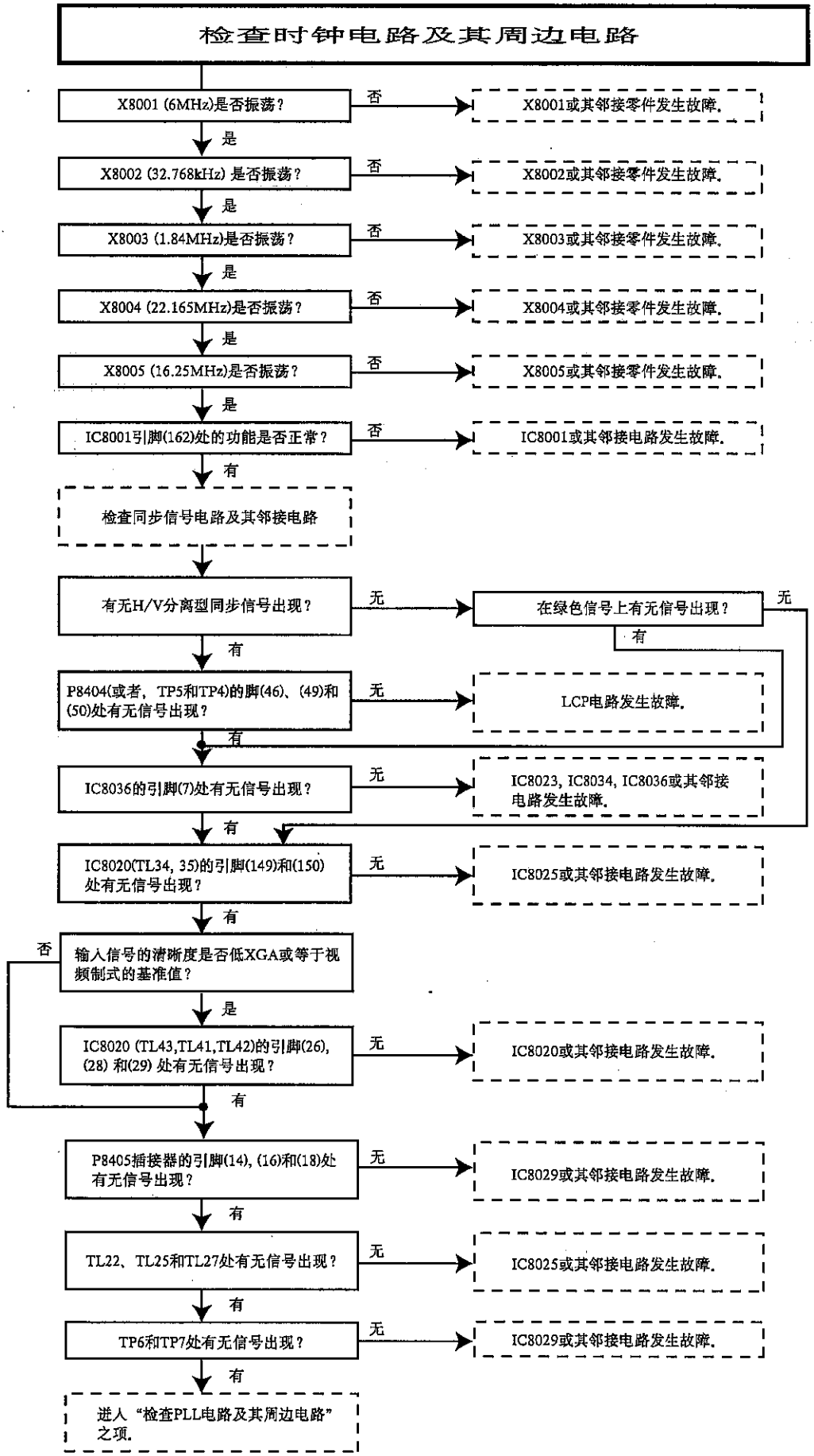
故障排除流程（接上页）


电源接续通
输入电压是否符合规定要求？
否
用遥控器选择正当的输入电压。
是
用于电脑，录像机及液晶显示板的电缆是否符合规定要求，并连接方法是否正当？
否
使用规定电缆或重新连接电缆。
是
没对比度控制于最大时有无图像出现？
有
重调视频制式。
无
CON3(P8502)插接器处的电压值是否符合规定要求？
否
电源电路发生故障。
是
接于电脑。
有无图像出现？
无
进入“检查时钟电路及其周边电路”之项。
有
图像是否符合规定要求？
否
检查同步信号电路及其周边电路。
是
图像彩色是否符合规定要求？
否
检查视频电路及其周边电路。
是
A
在屏表示动能是否正常？
否
进入“检查在屏表示电路及其周边电路”之项。
是
遥控器功能是否正常？
否
进入“检查遥控器”之项。
是
结束。

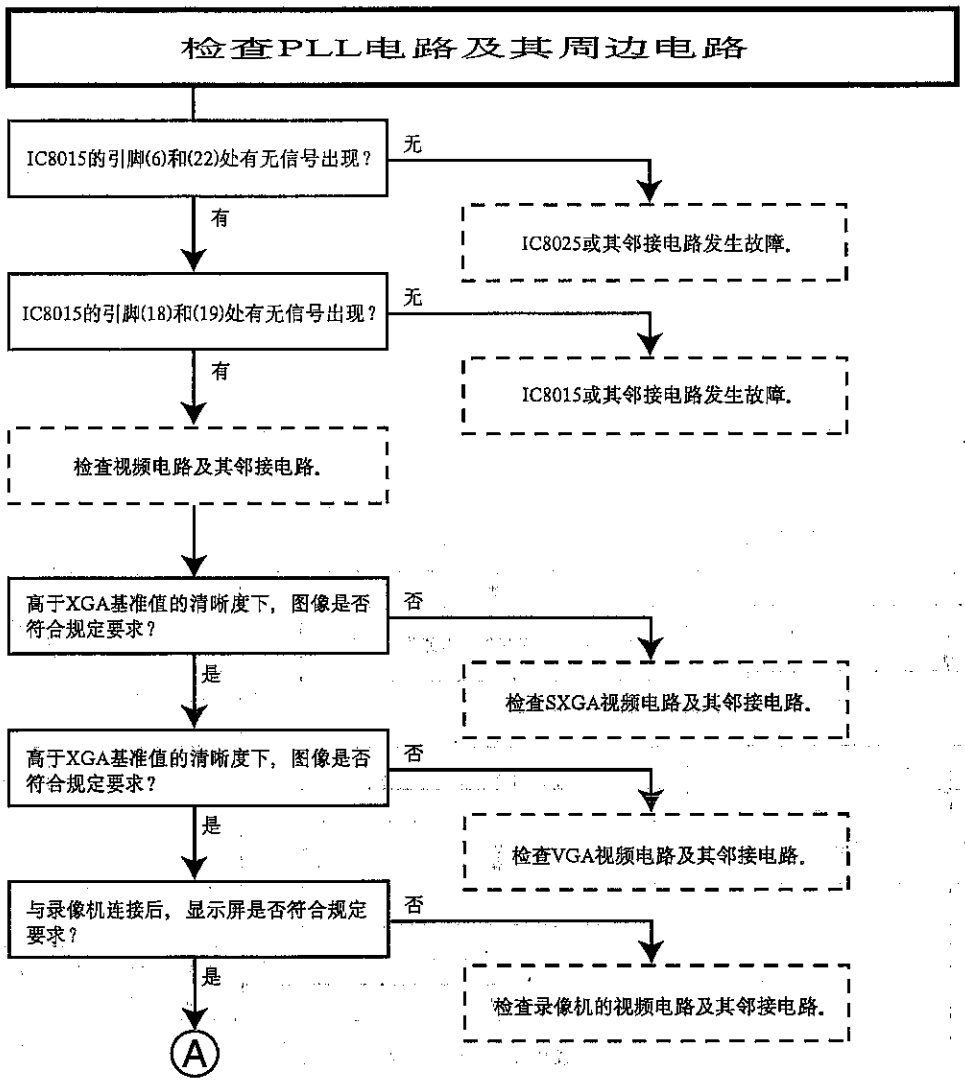
故障排除流程（接上页）


灯泡不亮
打开电源开关后，从灯泡上有无发出放电音？
有
无
灯泡与插座间的连接是否正常？
是
否
重新正确地连接灯泡与插座.
更换灯泡.
镇流电路装置的冷却风扇是否转动？
否
是
检查电源电路.
PL插接器的引脚两端处有无DC360V电压施加？
无
有
镇流电路装置的D插接器引脚(1)与(3))间处有无3.5V或高电压施加？
有
无
更换镇流电路装置.
电源装置EA插接器的连接是否松开？
是
否
重新将插接器插入插座.
检查微型电脑电路.

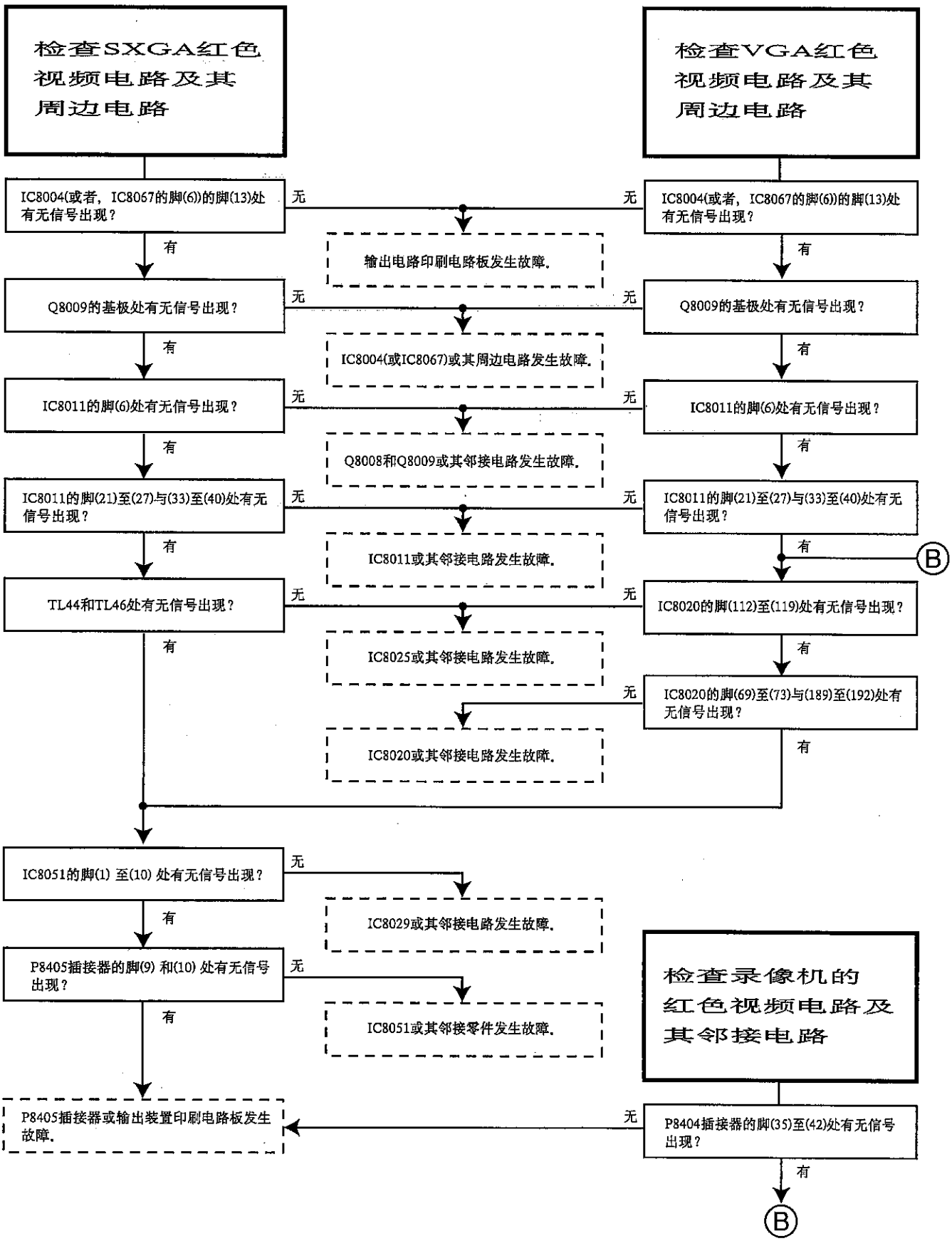
PC I/F 装置 -1 的故障排除流程



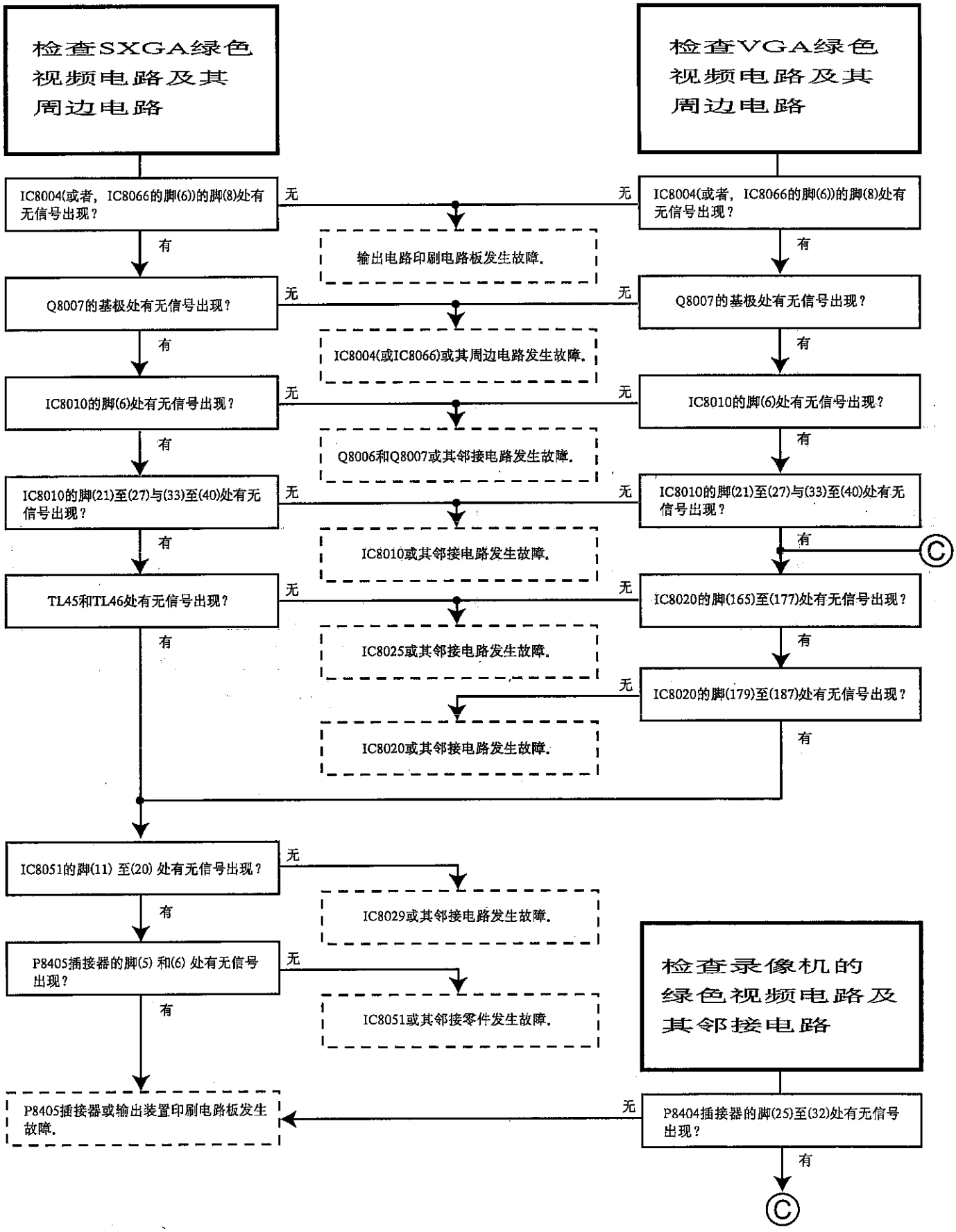
PC I/F 装置 -2 的故障排除流程



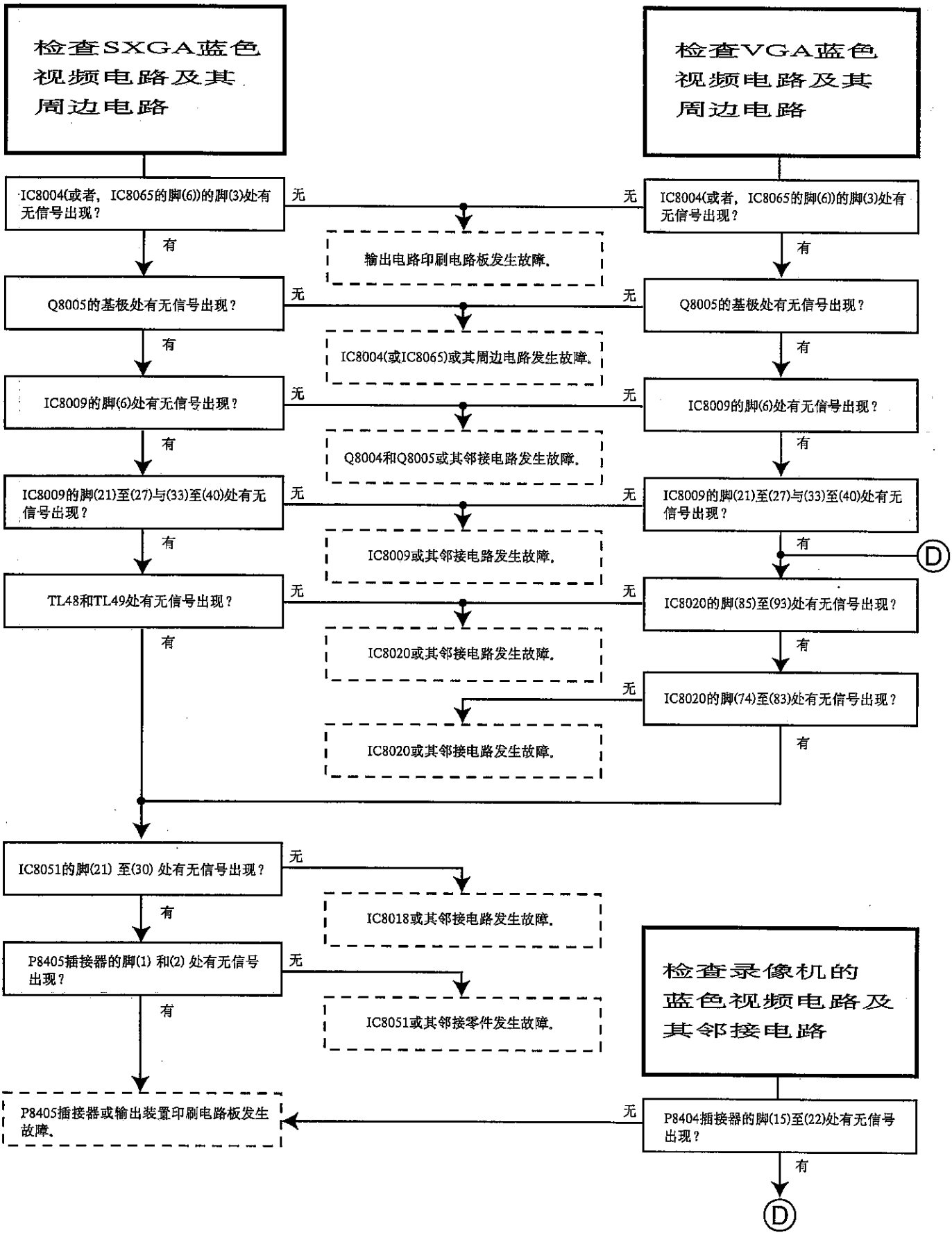
PC I/F 装置 -3 的故障排除流程



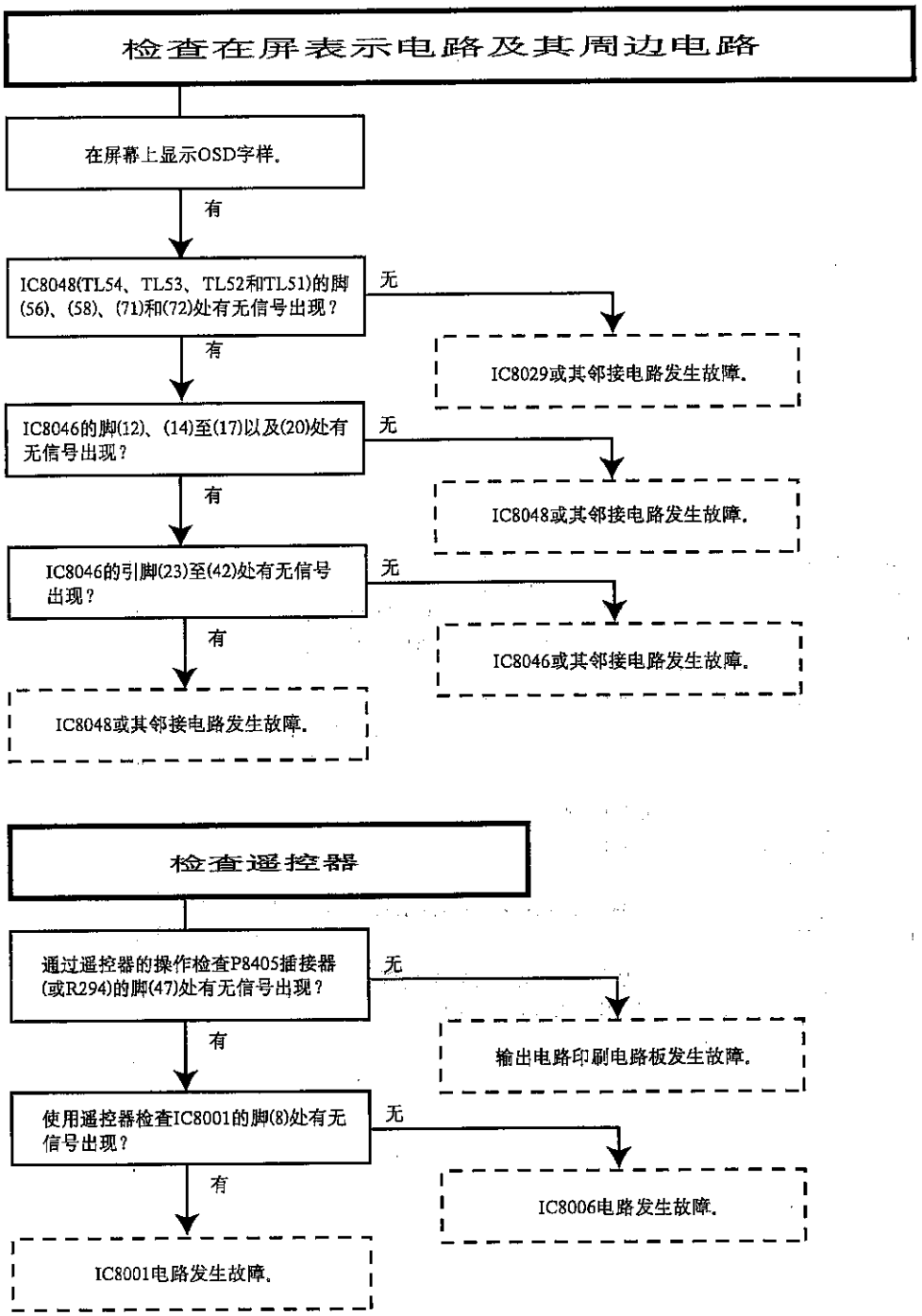
PC I/F 装置 -4 的故障排除流程



PC I/F 装置 -5 的故障排除流程



PC I/F 装置 -6 的故障排除流程



CHASSIS LAYOUT / CHASSIS-ANORDNUNG
机芯底盘电路布置

OUTPUT UNIT
DUNTK9922DE02

PC I/F UNIT
CPCi-0035CE02

IR-DA(1) UNIT
DUNTK9924DE02

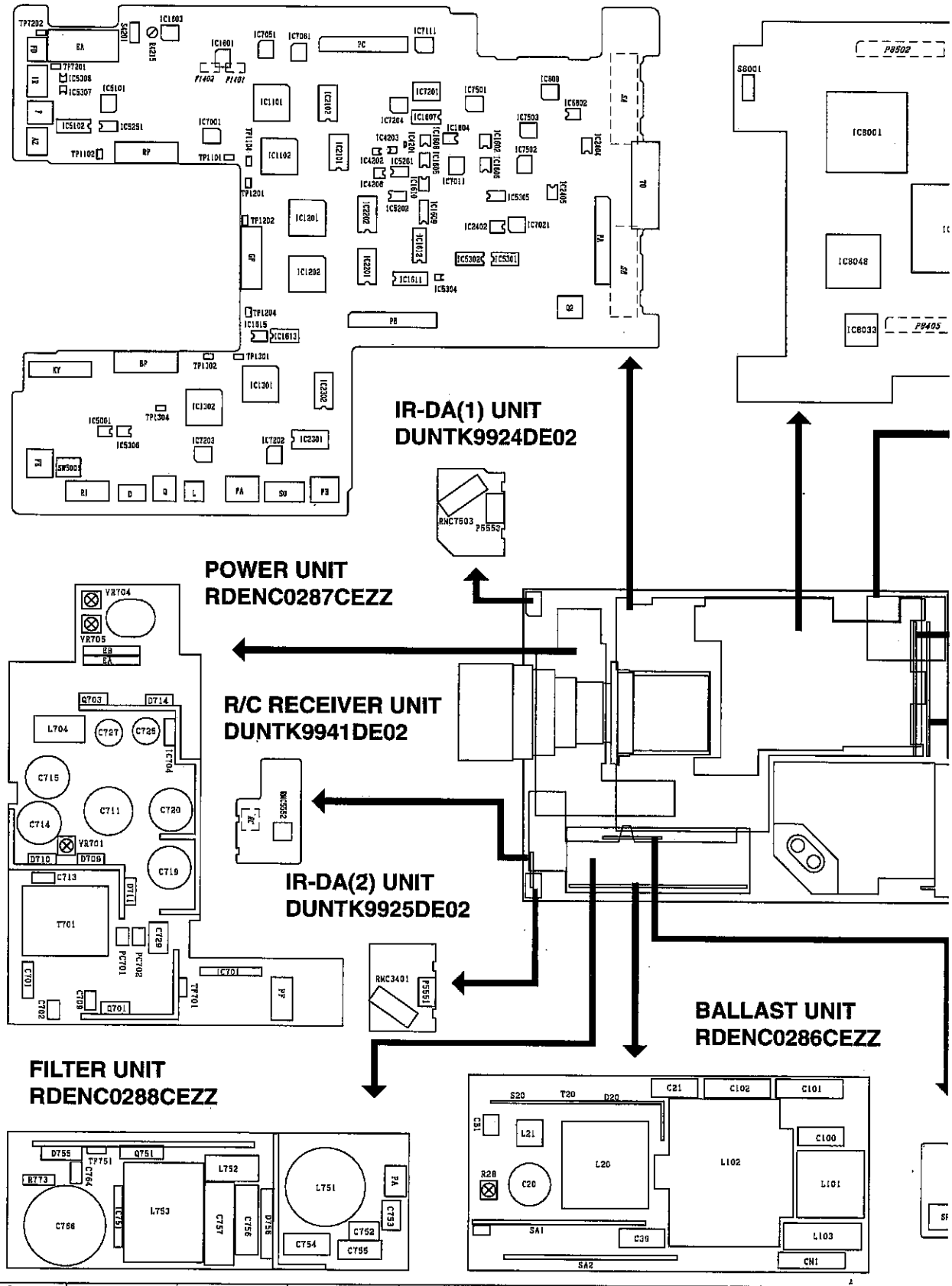
POWER UNIT
RDENC0287CEZZ

R/C RECEIVER UNIT
DUNTK9941DE02

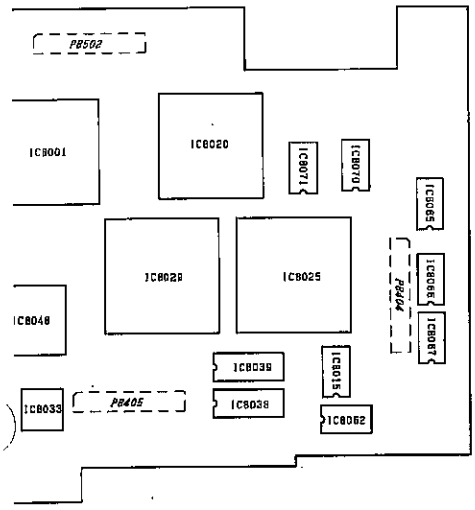
IR-DA(2) UNIT
DUNTK9925DE02

BALLAST UNIT
RDENC0286CEZZ

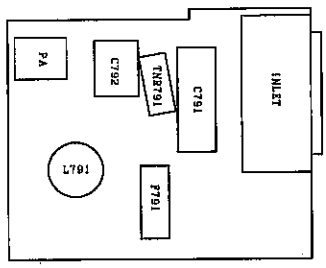
FILTER UNIT
RDENC0288CEZZ



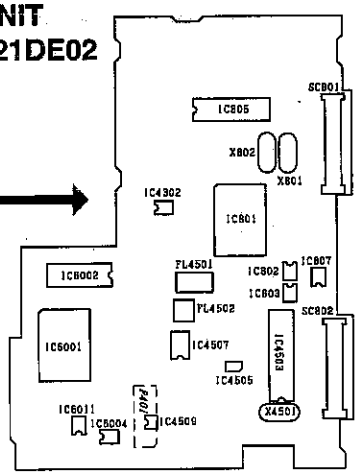
)NIT
)35CE02



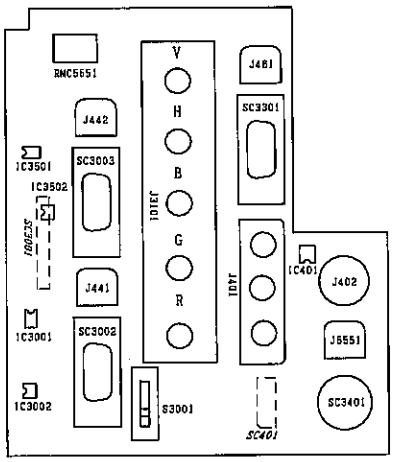
INLET UNIT
RUNTK0656CEZZ



SIGNAL UNIT
DUNTK9921DE02

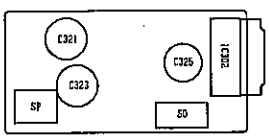


TERMINAL UNIT
DUNTK9923DE02



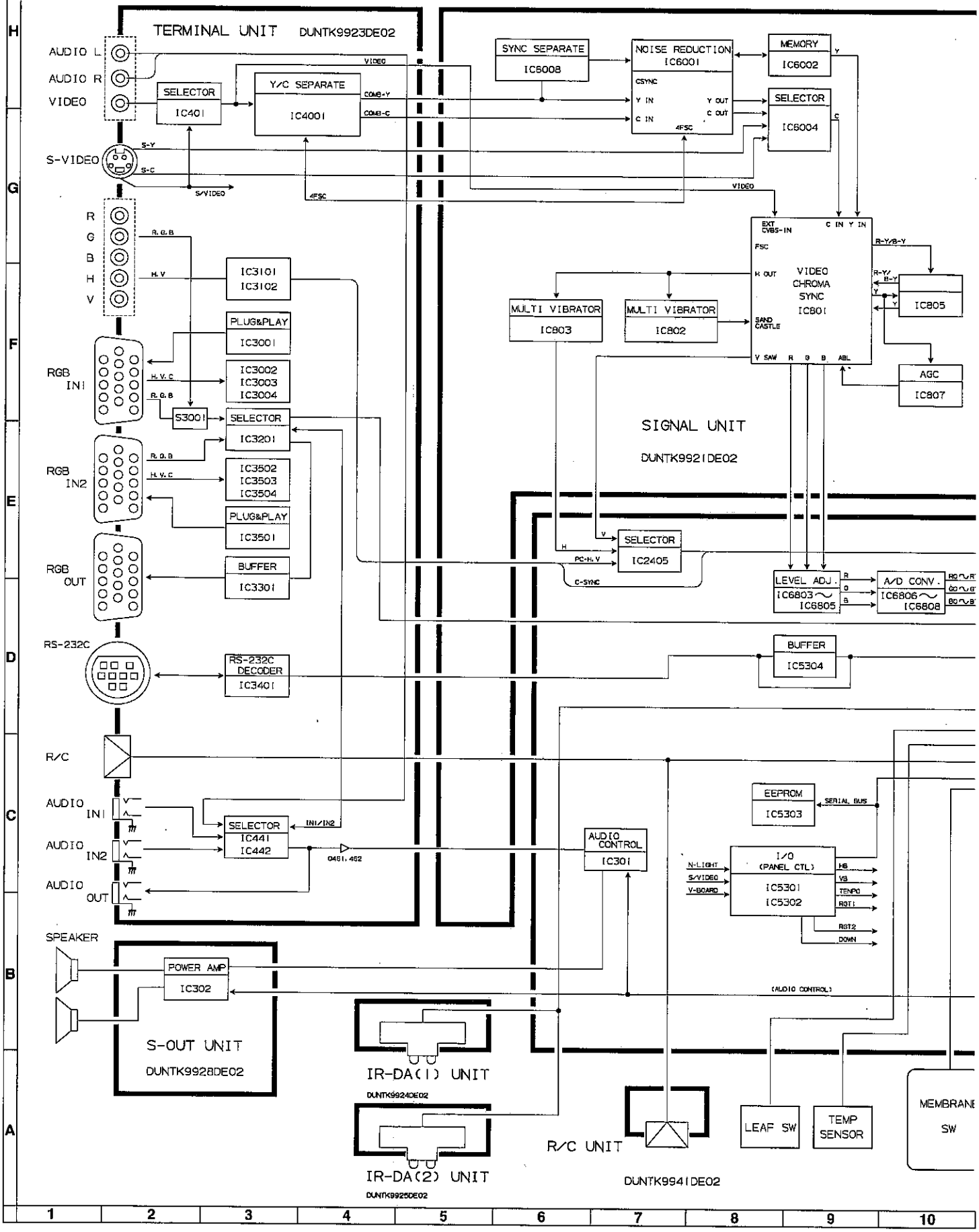
IT
EZZ

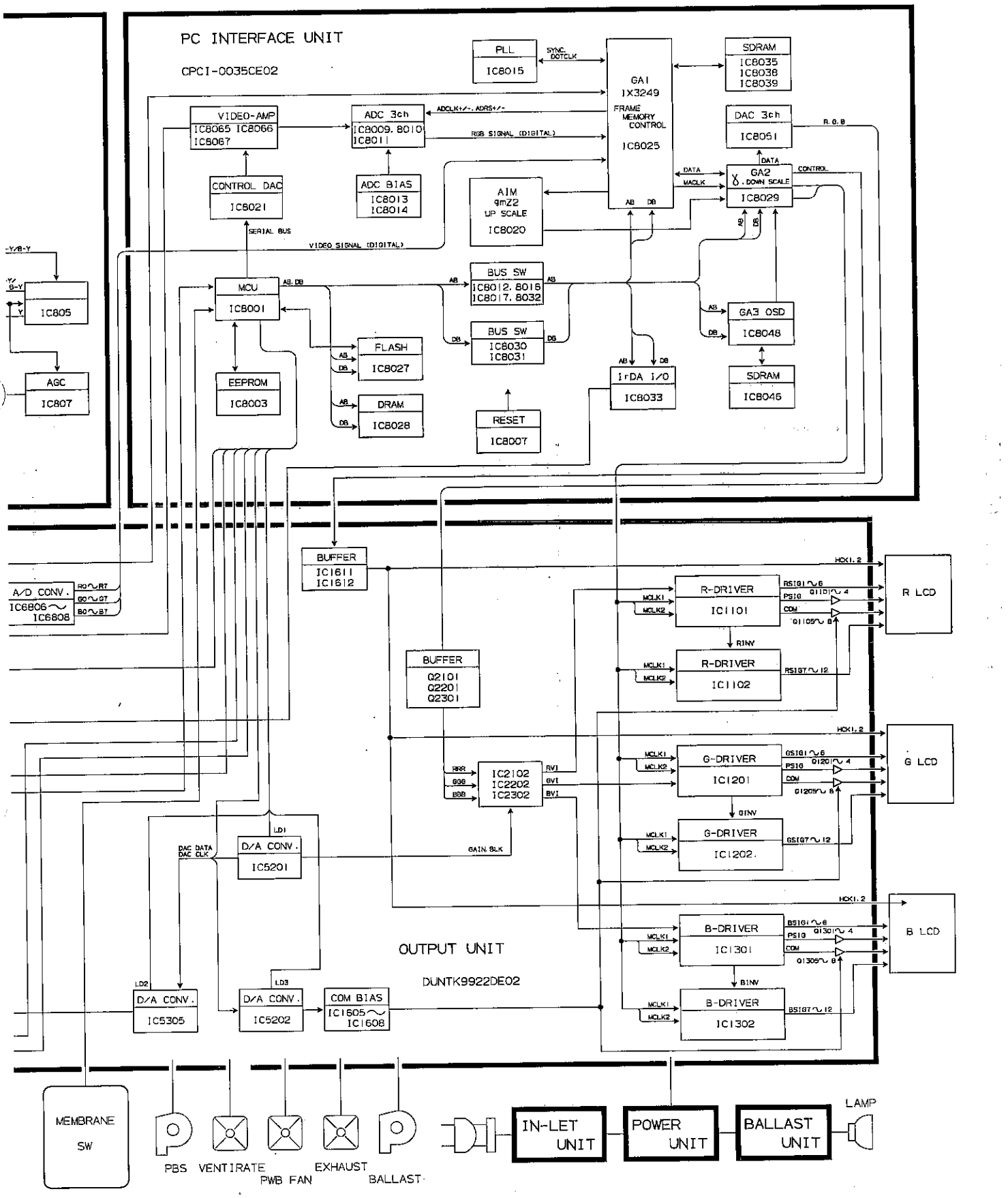
S-OUT UNIT
DUNTK9928DE02



10	11	12	13	14	15	16	17	18	19

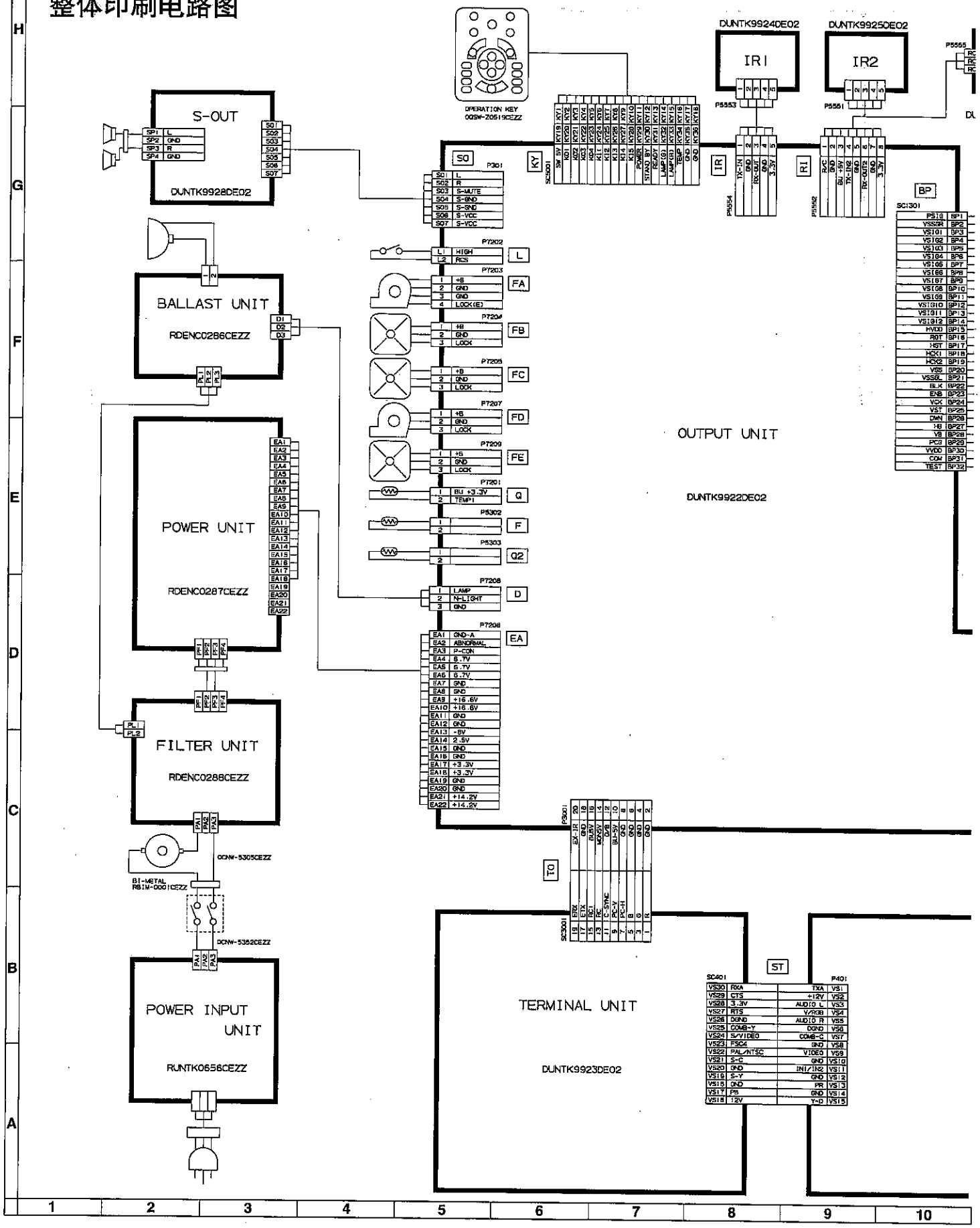
BLOCK DIAGRAM / BLOCKSCHALTBILD 电路方框图

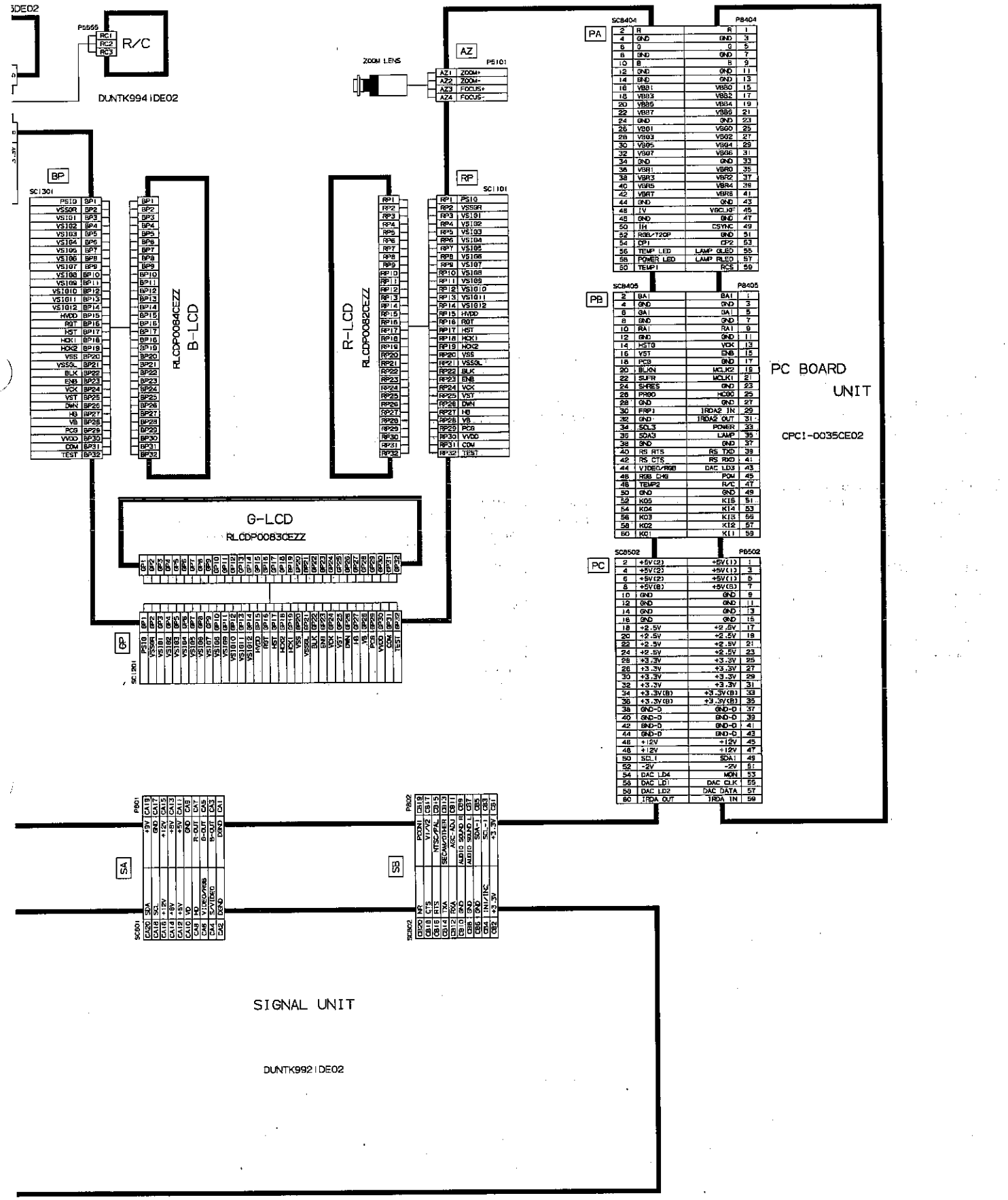




10	11	12	13	14	15	16	17	18	19

OVERALL WIRING DIAGRAM / GESAMTSCHALTPLAN
整体印刷电路图




R/C
DUNTK994 IDE02
ZOOM LENS
AZ
BP
RP
B-LCD
RLCDP0084CEZZ
R-LCD
RLCDP0082CEZZ
G-LCD
RLCDP0083CEZZ
GP
PA
PB
PC
PC BOARD
UNIT
CPC1-0035CE02
SA
SB
SIGNAL UNIT
DUNTK992 IDE02

DESCRIPTION OF SCHEMATIC DIAGRAM

VOLTAGE MEASUREMENT CONDITION:

1. Voltages at test points are measured at the supply voltage of AC 230V. Signals are fed by a colour bar signal generator for servicing purpose and the above voltages are measured with a 20k ohm/V tester.

WAVEFORM MEASUREMENT CONDITION:

1. Waveforms at test points are observed at the supply voltage of AC 230V. Signals are fed by a colour bar signal generator for servicing purpose.

INDICATION OF RESISTOR & CAPACITOR:

RESISTOR

1. The unit of resistance "Ω" is omitted. (K=kΩ=1000 Ω, M=MΩ).
2. All resistors are ± 5%, unless otherwise noted. (J= ± 5%, F= ± 1%, D= ± 0.5%)
3. All resistors are 1/10W, unless otherwise noted.
4. All resistors are Carbon type, unless otherwise noted.
   - Ⓒ : Solid
   - Ⓦ : Cement
   - Ⓢ : Oxide Film
   - Ⓣ : Special
   - Ⓝ : Metal Coating

CAPACITOR

1. All capacitors are μF, unless otherwise noted. (P=pF=μμF).
2. All capacitors are 50V, unless otherwise noted.
3. All capacitors are Ceramic type, unless otherwise noted.
   - (ML): Mylar
   - (TA): Tantalum
   - (PF): Polypro Film
   - (ST): Styrol

CAUTION:
This circuit diagram is original one, therefore there may be a slight difference from yours.

SAFETY NOTES:

1. ***DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACEING PARTS.***
2. ***SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.***

IMPORTANT SAFETY NOTICE:

PARTS MARKED WITH "⚠" ([redacted])ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

BESCHREIBUNG DES SCHEMATISCHEN SCHALTPLANS

SPANNUNGSMESSUNGEN:

1. Spannungen an den Prüfpunkten werden bei einer Netzspannung von 230V gemessen, Signale werden für die Wartung mit einem Farbbalken-Signal generator zugeführt, und Spannungen werden mit einem Meßinstrument (20 kΩ/V) ermittelt.

SIGNALFORMMESSUNGEN:

1. Die Wellenformen an den Testpunkten werden bei einer Netzspannung von 230V verfolgt. Signale werden für die Wartung mit einem Farbbalken-Signal generator zugeführt.

BEZEICHNUNG DES WIDERSTANDS UND KONDENSATORS:

WIDERSTAND

1. Die Widerstandseinheit "Ω" wird weggelassen. (K=kΩ=1000 Ω, M=MΩ).
2. Alle Widerstände haben ± 5%, sofern nicht anders angegeben. (J= ± 5%, F= ± 1%, D= ± 0.5%)
3. Alle Widerstände haben 1/10W, sofern nicht anders angegeben.
4. Alle Widerstände sind Kohletyp, sofern nicht anders angegeben.
   - Ⓒ : Fest
   - Ⓦ : Zement
   - Ⓢ : Oxidfilm
   - Ⓣ : Spezial
   - Ⓝ : Metallüberzug

KONDENSATOR

1. Die Kapazitätseinheit ist μF, sofern nicht anders angegeben. (P=pF=μμF).
2. Alle Kondensatoren haben 50V, sofern nicht anders angegeben.
3. Alle Kondensatoren sind Keramiktyp, sofern nicht anders angegeben.
   - (ML): Mylar
   - (TA): Tantal
   - (PF): Polyprofilm
   - (ST): Styrol

ACHTUNG:
bei diesem Schaltplan handelt es sich um den ursprünglichen. Esönnen daher geringfügige Unterschiede zu dem Ihrem bestehen.

SICHERHEITSANMERKUNGEN:

1. ***VOR DEM AUSWECHSELN VON TEILEN MUSS UNBEDINGT NETZSTECKER AUS DER NETZSTECKDOSE GEZOGEN WERDEN.***
2. ***DIE WARMEABLEITER DER HALBLEITER SOLLTEN BEIM BETRIEB DES CHASSIS ALS MÖGLICHE URSACHEN VON GEFÄHRLICHEN ELEKTRISCHEN SCHLÄGEN BETRACHTET WERDEN.***

WICHTIGE SICHERHEITSANMERKUNGEN:

MIT "⚠"([redacted])BEZEICHNETEN TEILE SIND BESONDERS WICHTIG FÜR DIE AUFRECHTERHALTUNG DER SICHERHEIT . BEIM WECHDIESER TEILE SOLLTEN DIE VORGESCHRIEBENEN TEILE IMMER VERWENDET WERDEN, UM SOWOHL DIE SICHERHEIT ALS AUCH DIE LEISTUNG DES GERÄTES AUFRECHTZUERHALTEN.

电 路 原 理 图 的 说 明

电压测定条件：

1. 各测试点上的电压值是用AC230V电源电压来测定的。各种信号由维修专用的彩条信号发生器产生的，各种有关电压值是用20千欧姆/伏测试仪测定的。

波形测定条件：

1. 各测试点上的波形是用AC230V电源电压观察到的。各种信号由维修专用的彩条信号发生器产生的。

电阻与电容器的表示：

电阻

1. 电阻欧姆"Ω"单位予以略记。（K＝kΩ＝1000Ω，M＝兆Ω）。
2. 除特别说明者外，所有的电阻为±5％。（J＝±5％，F＝±1％，D＝±0.5％）。
3. 除特别说明者外，所有的电阻功率为1/10W。
4. 除特别说明者外，所有的电阻为碳质。
   - Ⓒ ：固体电阻
   - Ⓦ ：陶瓷电阻
   - Ⓢ ：氧化膜电阻
   - Ⓣ ：特殊电阻
   - Ⓝ ：金属涂层电阻

电容器

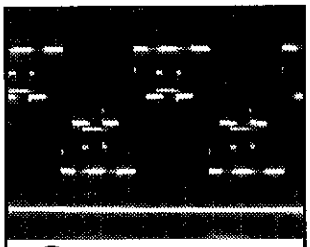
1. 除特别说明者外，所有的电容器单位为微法(μF)。（P＝微微法＝μμF）。
2. 除特别说明者外，所有的电容器为50伏。
3. 除特别说明者外，所有的电容器为陶瓷质。
   - （ML）：聚酯薄膜电容器
   - （TA）：钽质电容器
   - （PF）：聚乙烯薄膜电容器
   - （ST）：聚苯乙烯电容器

注意：
这里的电路原理图均为最初设计原理图，与您的机器的电路原理图可能有不同之处。

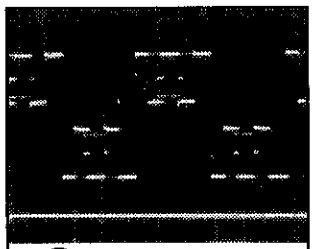
安全使用注意事项：
1. 在进行部件更换之前，务请拔出电源插头。
2. 本装置工作时，机芯底盘的半导体散热片有触电之虑，务请注意。

安全使用注意要点：
标有"⚠"（ [redacted] ）的部件对于投影机安全的维护有至关重要的意义。为了维护本机的安全和使本机能正常工作，必须使用指定品来更换这些部件。

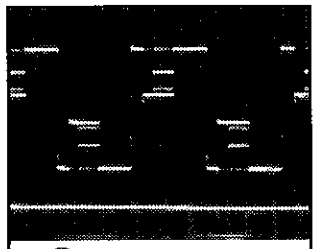
WAVEFORMS
WELLENFORMEN
波形图



① SC1101 7-pin
(RSIG5)
H : 10µsec/div
V : 2V/div

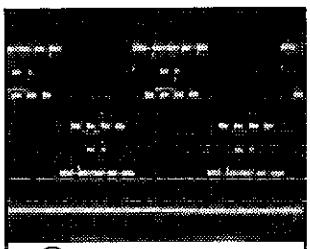


② SC1101 8-pin
(RSIG6)
H : 10µsec/div
V : 2V/div

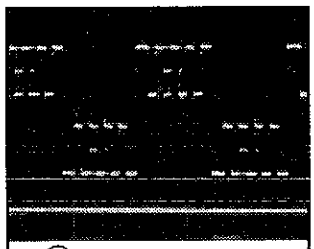


③ SC1201 7-pin
(GSIG5)
H : 10µsec/div
V : 2V/div

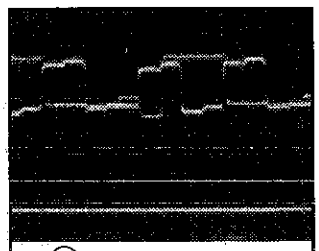
④ SC1201 8-pin
(GSIG6)
H : 10µsec/div
V : 2V/div



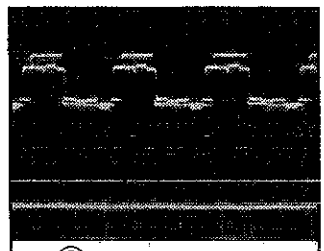
⑤ SC1301 7-pin
(BSIG5)
H : 10µsec/div
V : 2V/div



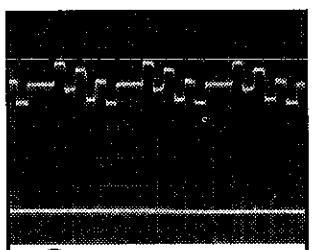
⑥ SC1301 8-pin
(BSIG6)
H : 10µsec/div
V : 2V/div



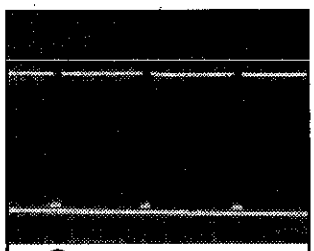
⑦ P801 1-pin
(R)
H : 10µsec/div
V : 0.5V/div



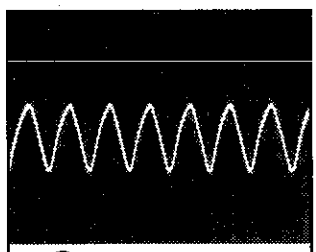
⑧ P801 2-pin
(G)
H : 20µsec/div
V : 0.5V/div



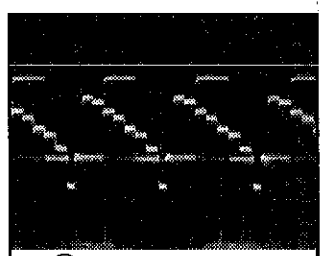
⑨ P801 4-pin
(B-Y)
H : 20µsec/div
V : 1V/div



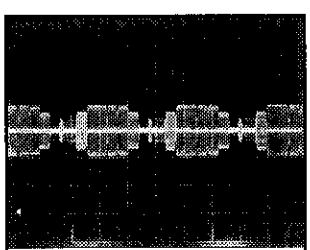
⑩ SC801 8-pin
(H-OUT)
H : 20µsec/div
V : 1V/div



⑪ Q6012 Emitter
(4FSC)
H : 50µsec/div
V : 0.5V/div

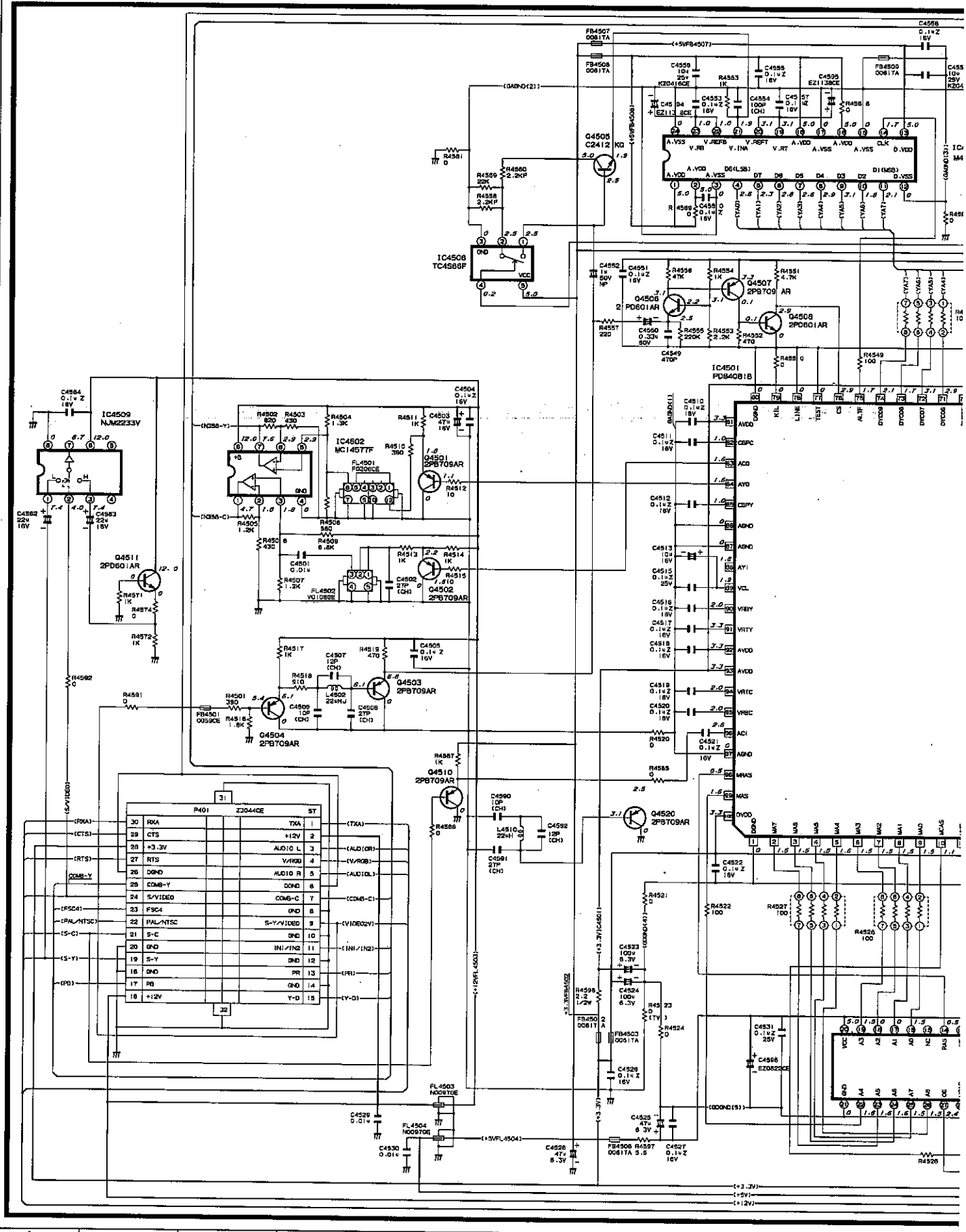


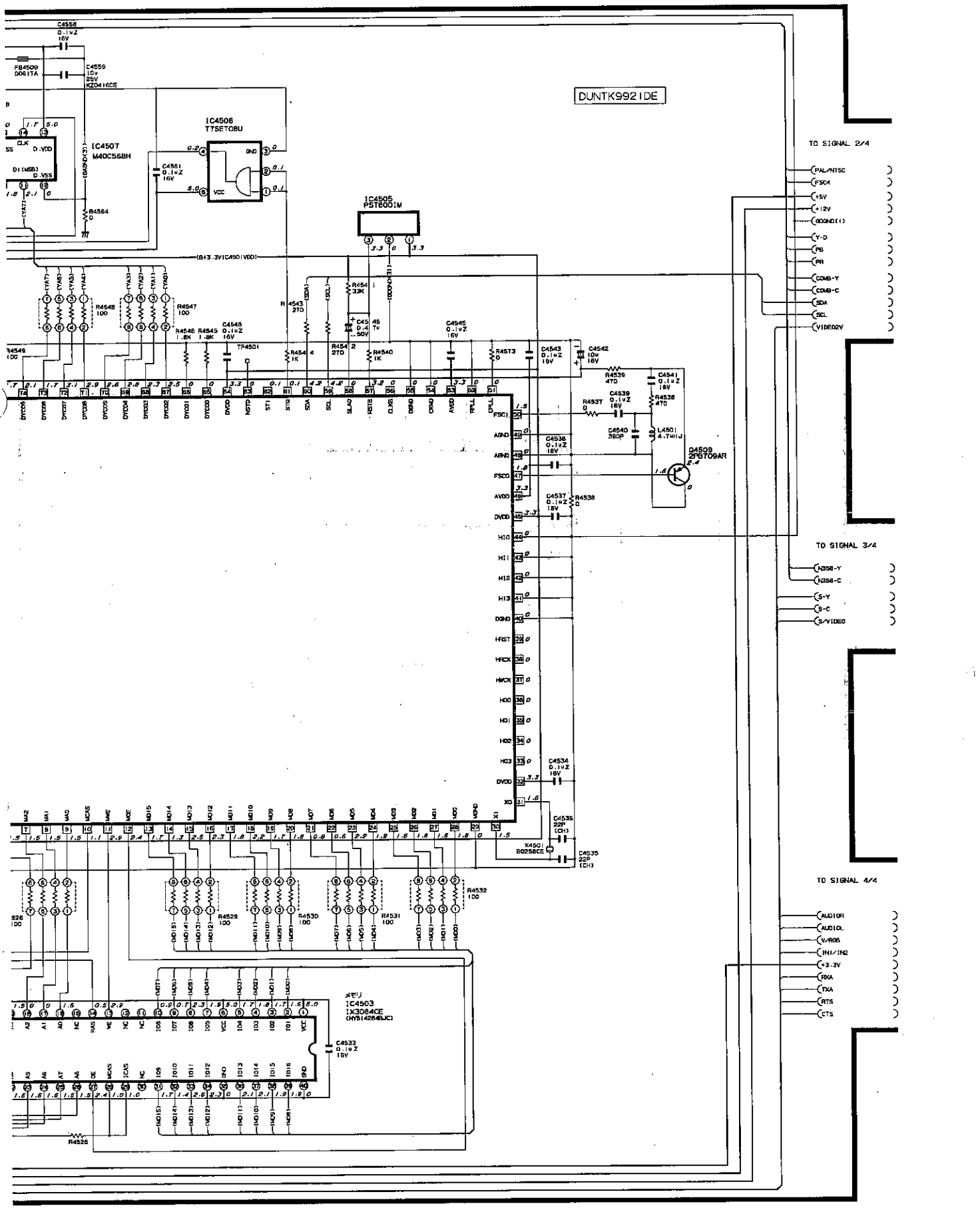
⑫ IC801 21-pin
(Y-signal)
H : 10µsec/div
V : 0.2V/div



⑬ P801 20-pin
(CHROMA signal)
H : 10µsec/div
V : 0.2V/div

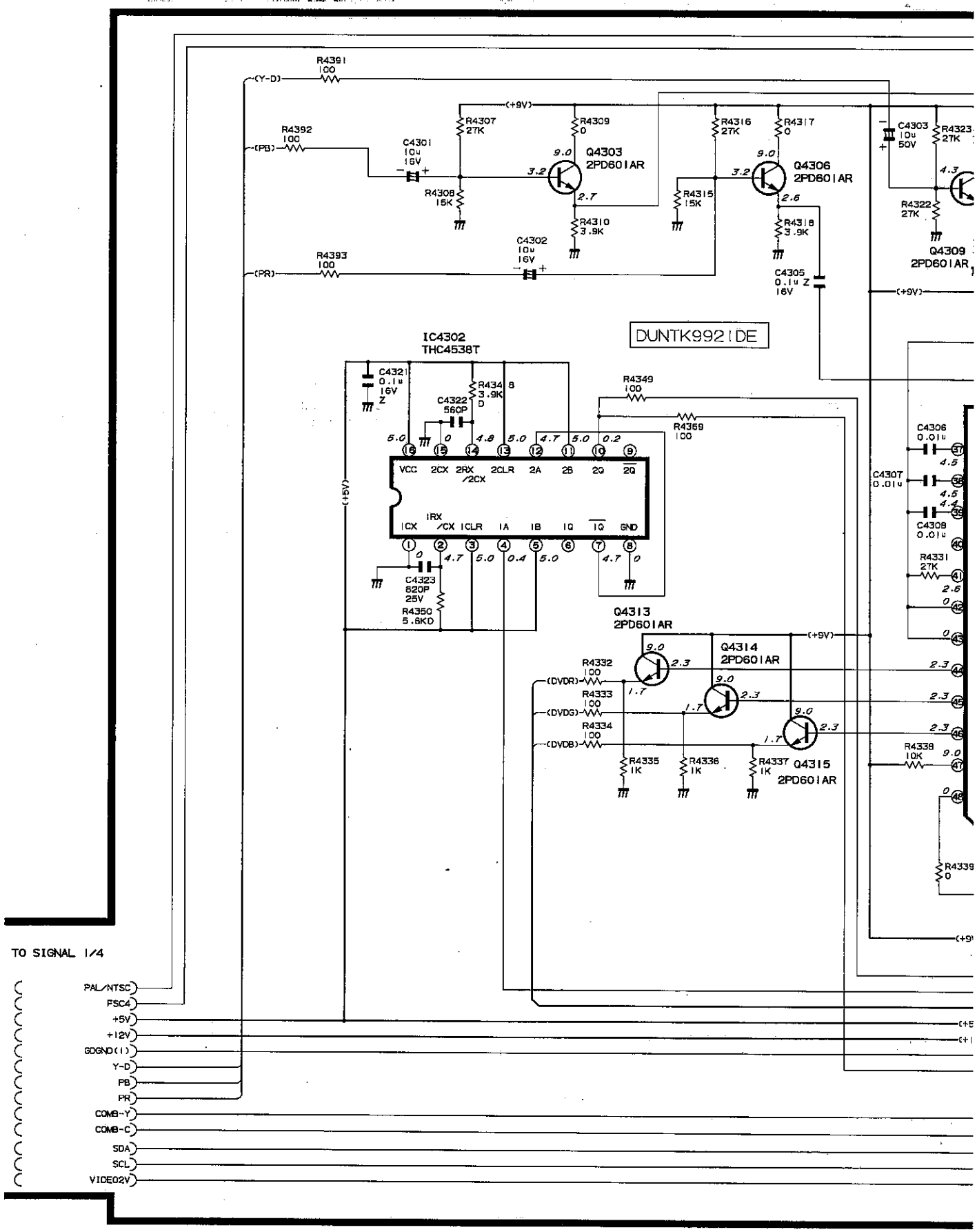
■ SIGNAL UNIT-1/4 / SIGNALEINHEIT-1/4 信号电路装置-1/4

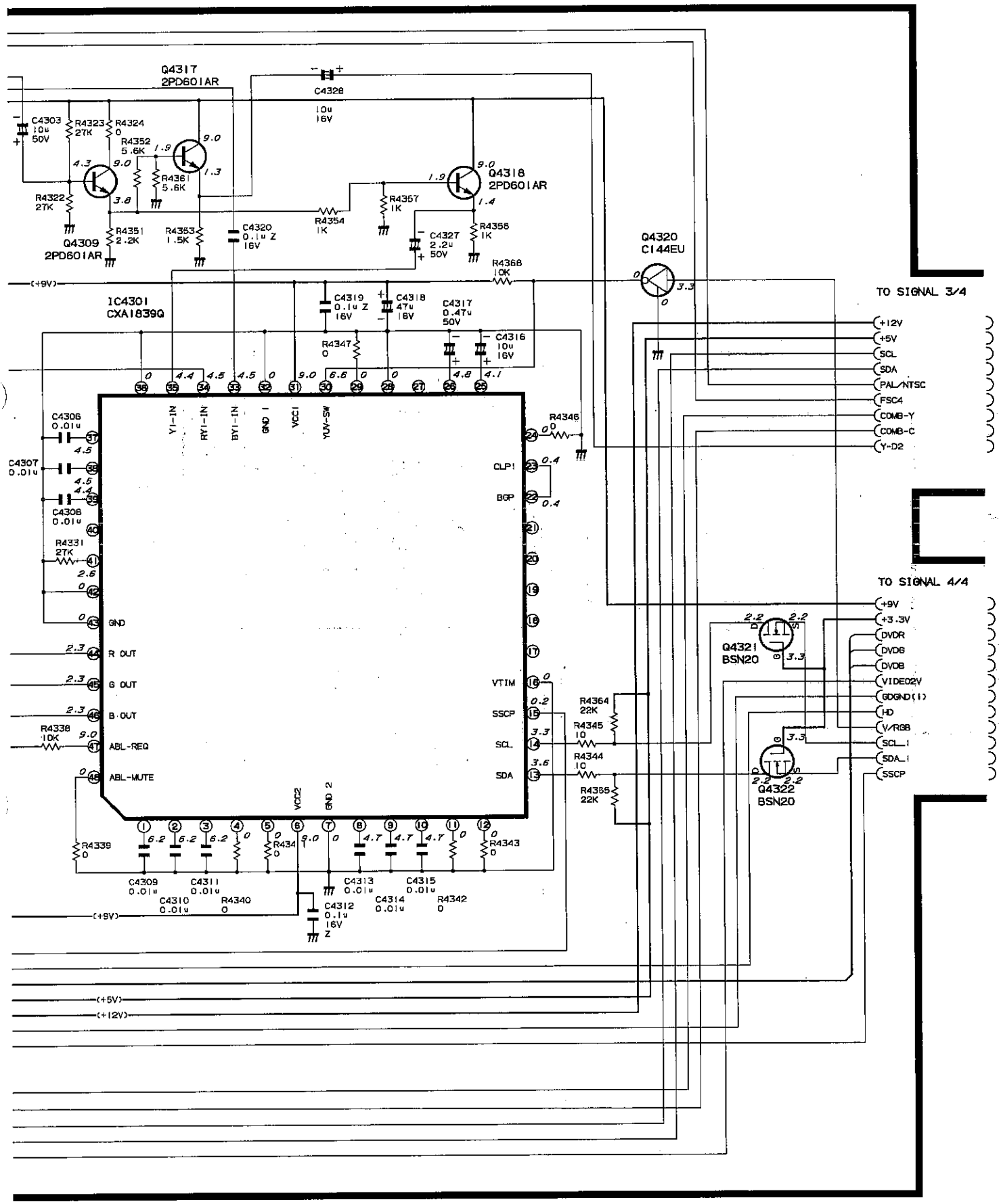




10	11	12	13	14	15	16	17	18	19

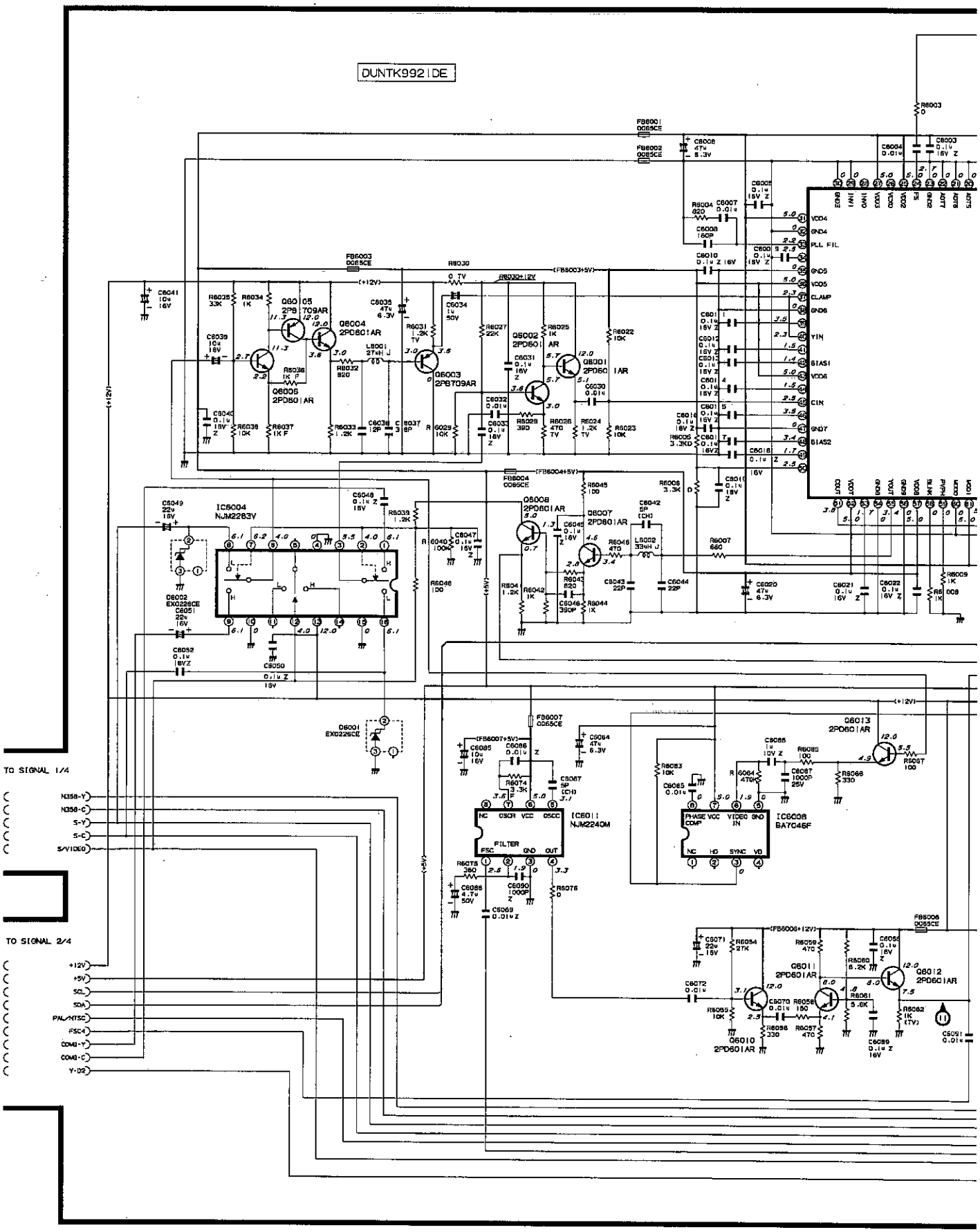
■ SIGNAL UNIT-2/4 / SIGNALEINHEIT-2/4 信号电路装置-2/4

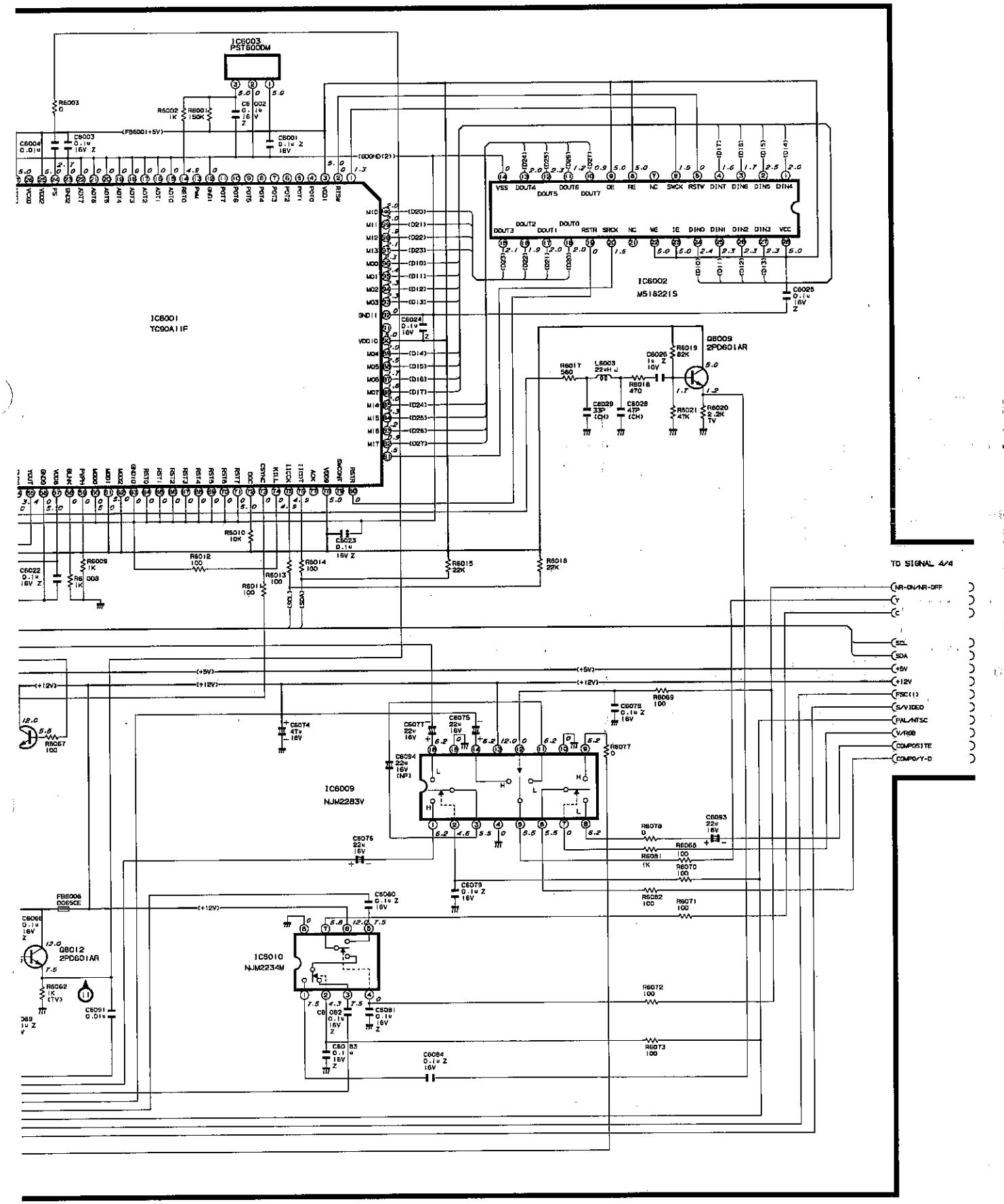




10	11	12	13	14	15	16	17	18	19

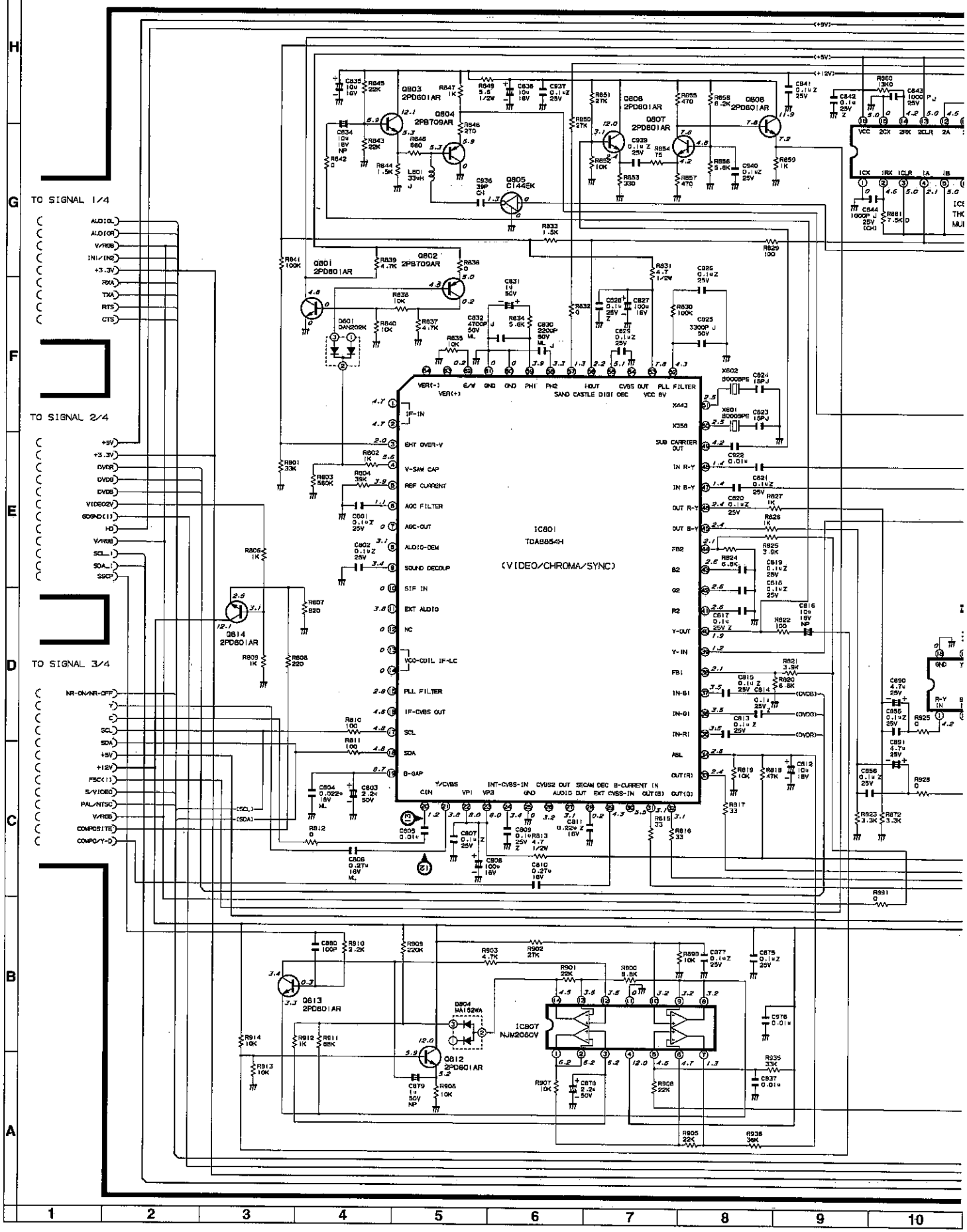
■ SIGNAL UNIT-3/4 / SIGNALEINHEIT-3/4 信号电路装置-3/4

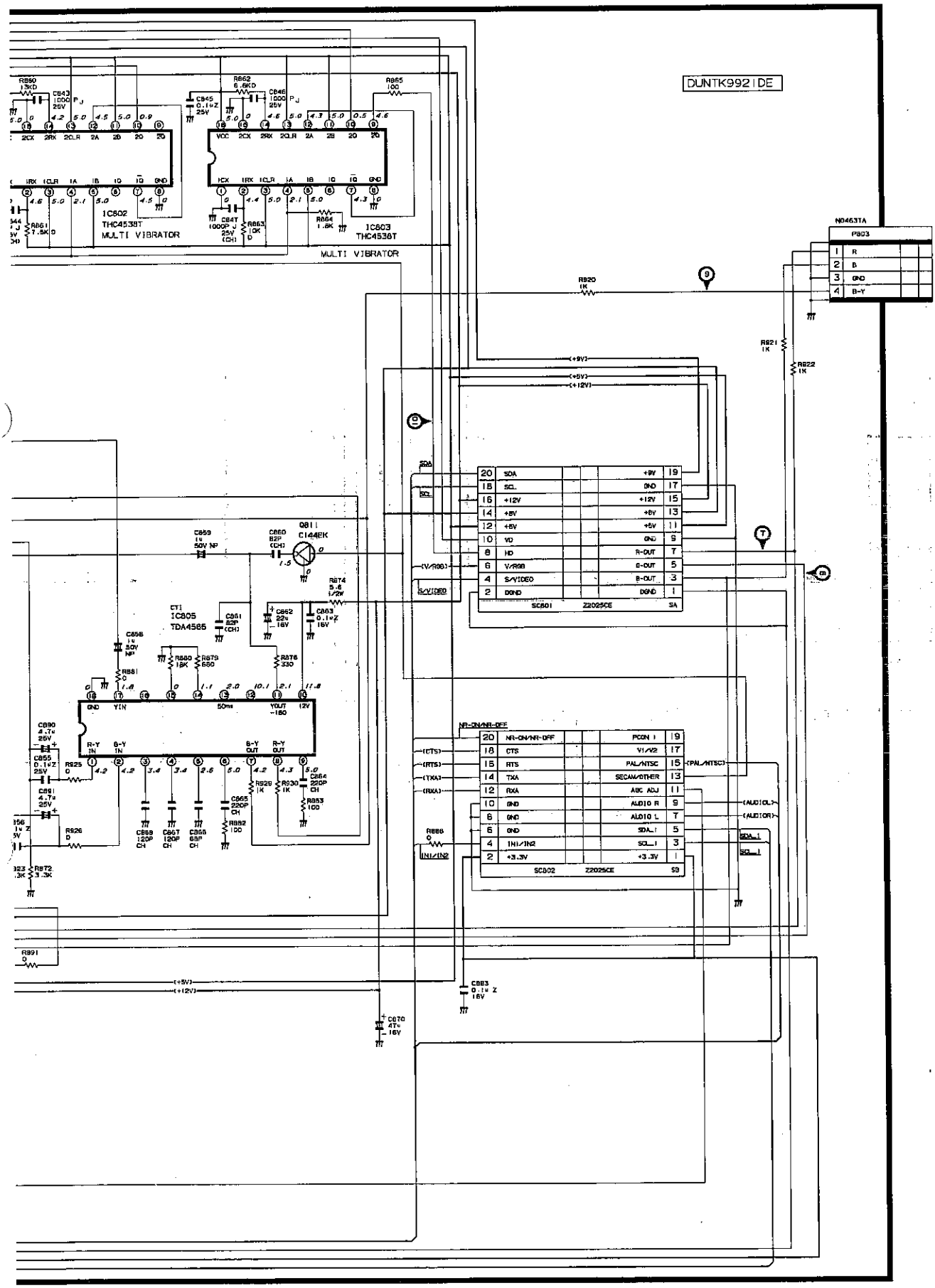




10	11	12	13	14	15	16	17	18	19

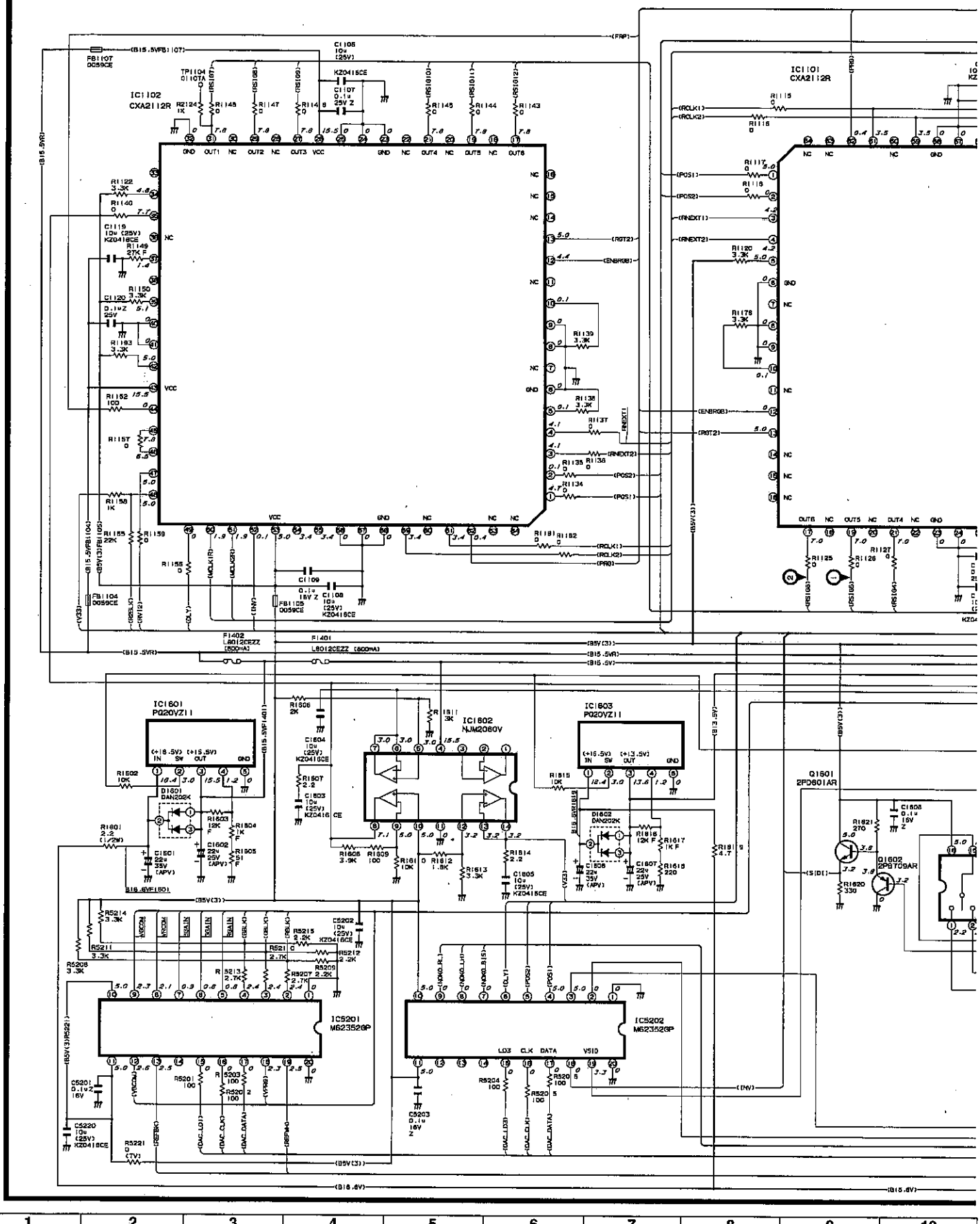
■ SIGNAL UNIT-4/4 / SIGNALEINHEIT-4/4 信号电路装置-4/4

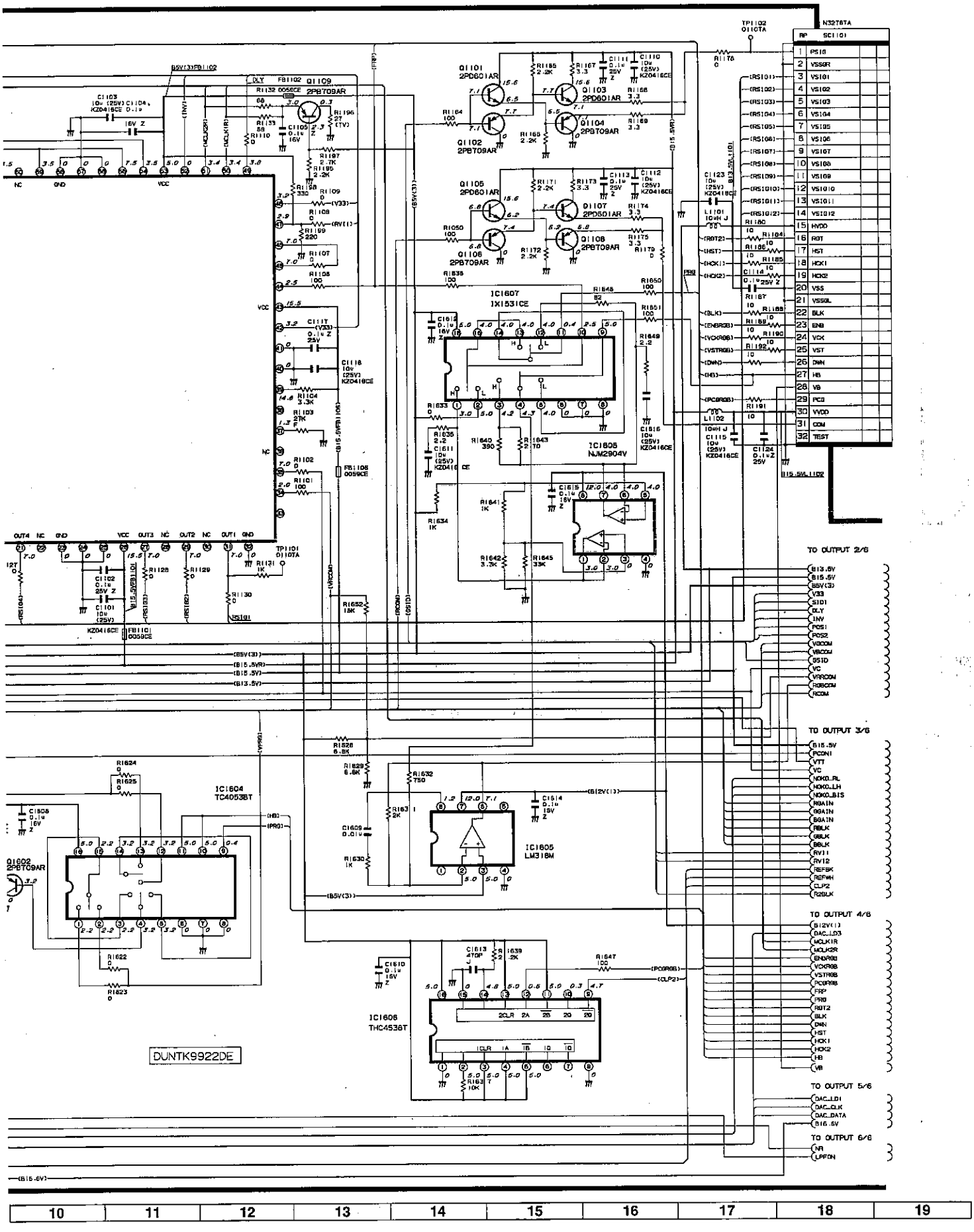




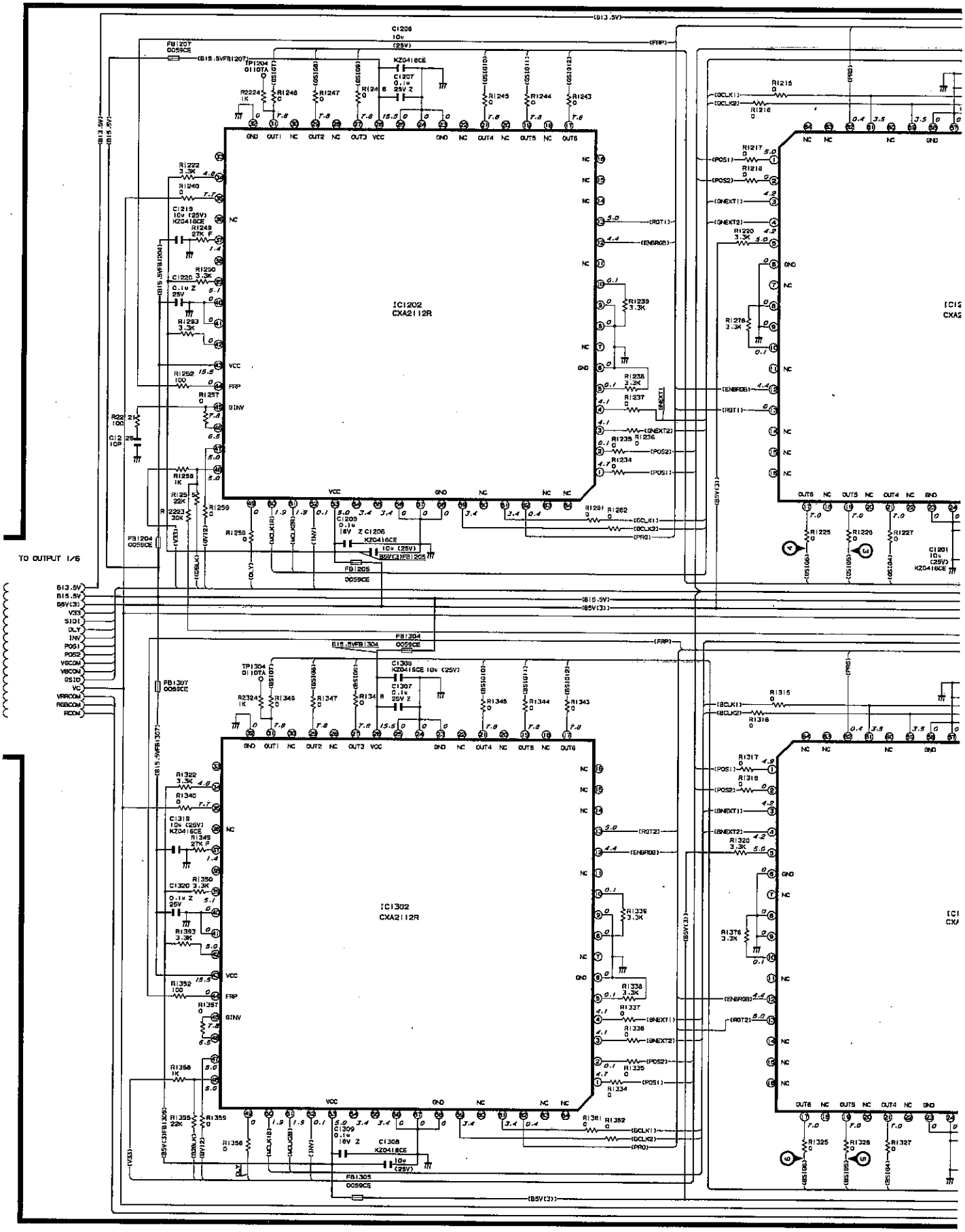
10	11	12	13	14	15	16	17	18	19

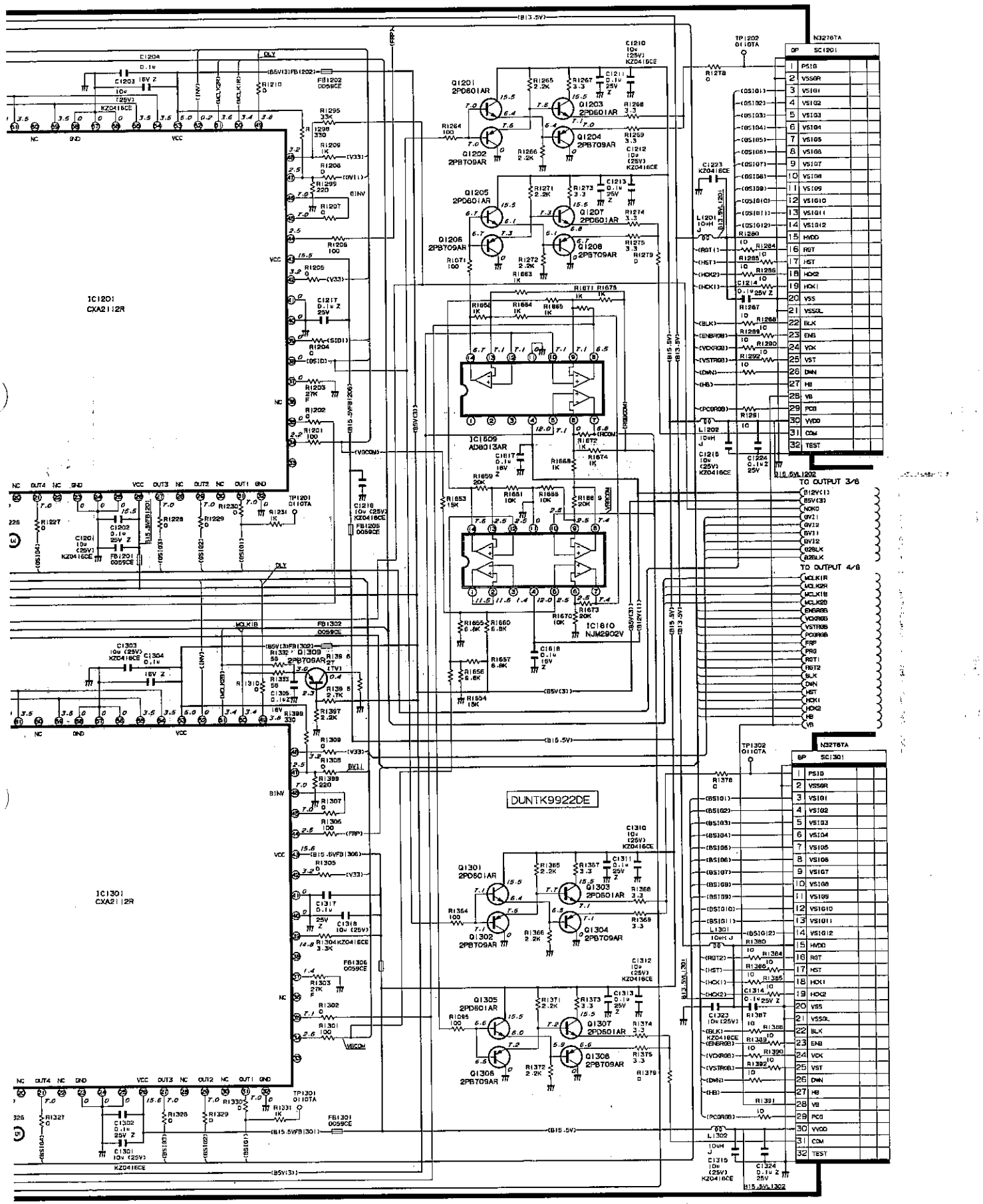
■ OUTPUT UNIT-1/6 / AUSGABEEINHEIT-1/6 输出电路装置-1/6



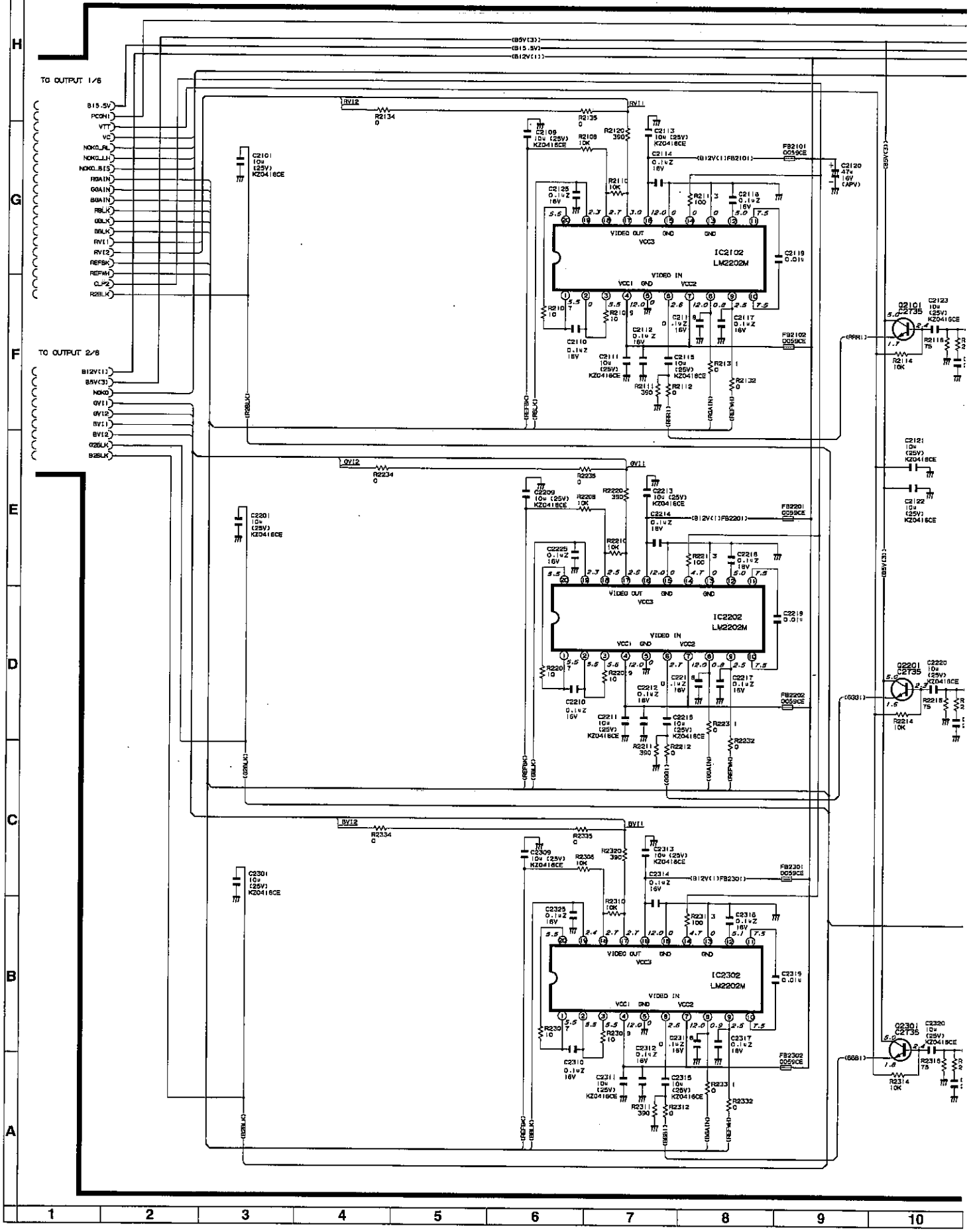

Q1101 2PD601AR
Q1102 2PB709AR
Q1103 2PD601AR
Q1104 2PB709AR
Q1105 2PD601AR
Q1106 2PB709AR
Q1107 2PD601AR
Q1108 2PB709AR
IC1607 IX1531CE
IC1608 NJM2904V
IC1604 TC4053BT
IC1605 LM318M
IC1606 TH4538T
Q1602 2PB709AR
TP1102 Q1107A
N3276TA
RP SC1101
1 PS1B
2 VSSGR
3 VS101
4 VS102
5 VS103
6 VS104
7 VS105
8 VS106
9 VS107
10 VS108
11 VS109
12 VS1010
13 VS1011
14 VS1012
15 HVDD
16 RGT
17 HST
18 HCK1
19 HCK2
20 VSS
21 VSSGL
22 BLK
23 ENB
24 VCK
25 VST
26 DWN
27 HB
28 VB
29 PCB
30 VVDD
31 COM
32 TEST
TO OUTPUT 2/6
TO OUTPUT 3/6
TO OUTPUT 4/6
TO OUTPUT 5/6
TO OUTPUT 6/6
DUNTK9922DE

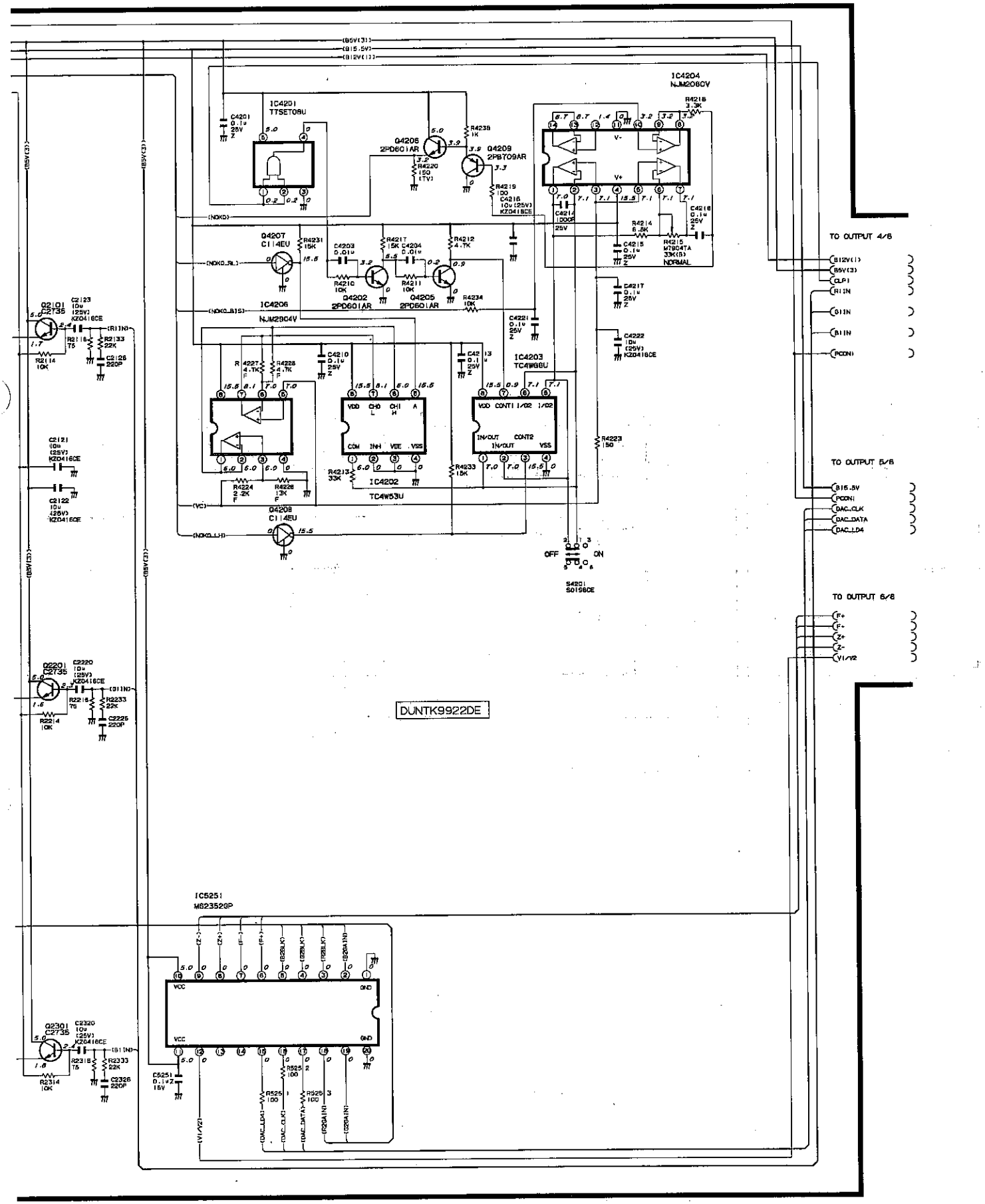
■ OUTPUT UNIT-2/6 / AUSGABEEINHEIT-2/6 输出电路装置-2/6



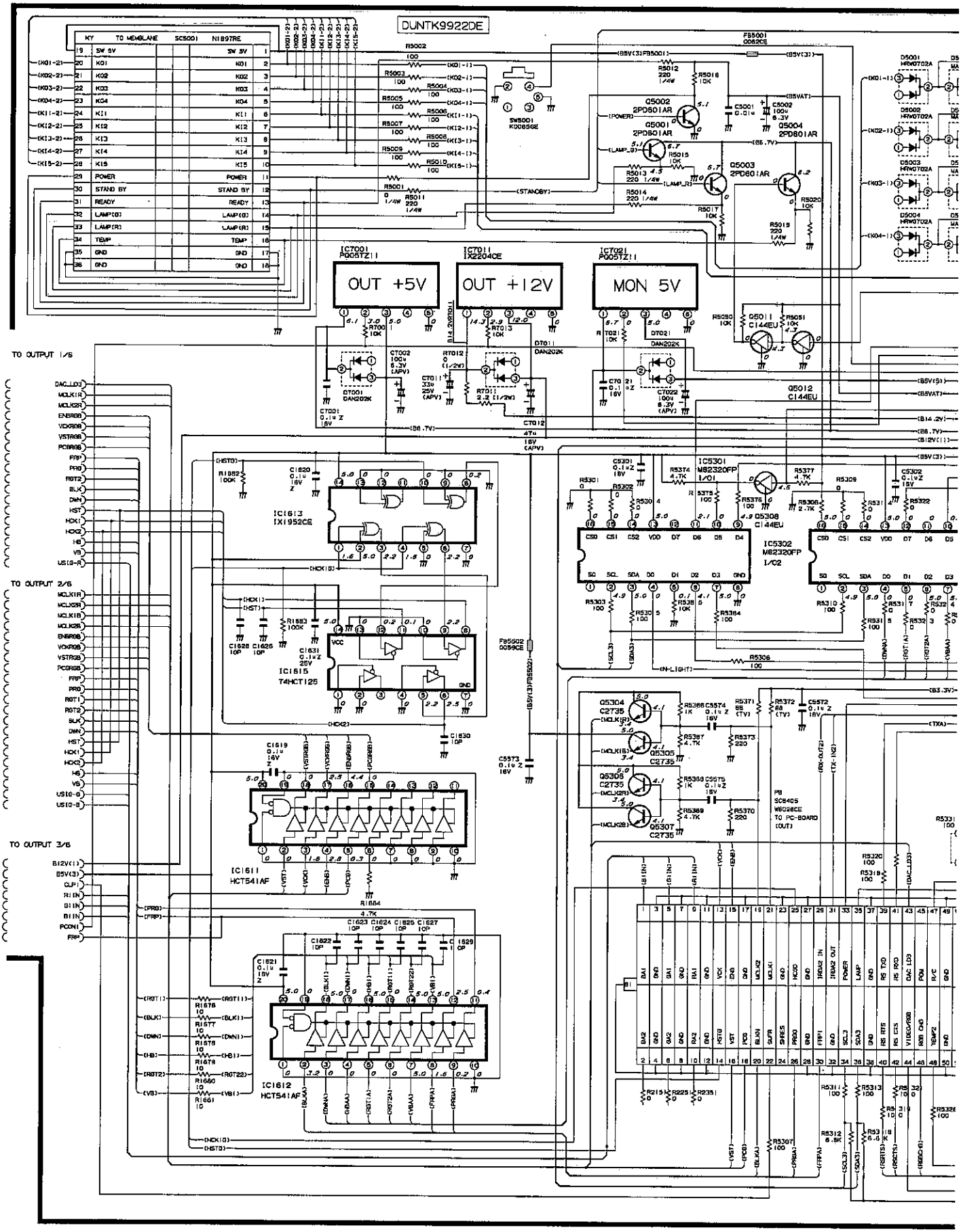

IC1201
CXA2112R
IC1301
CXA2112R
IC1609
AD8013AR
IC1610
NJM2902V
DUNTK9922DE
TO OUTPUT 3/6
TO OUTPUT 4/6
N3276TA
SC1201
SC1301

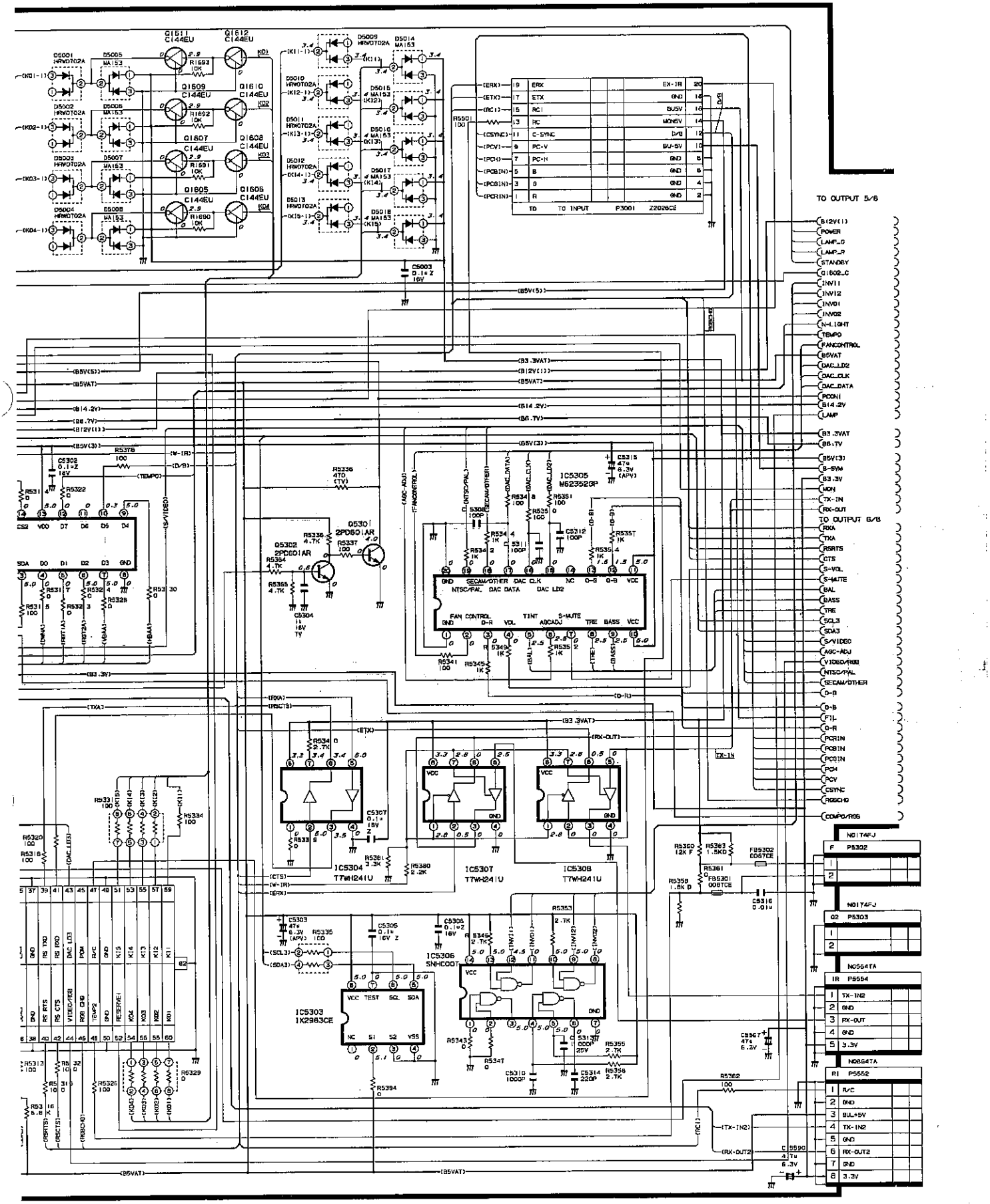
■ OUTPUT UNIT-3/6 / AUSGABEEINHEIT-3/6 输出电路装置-3/6




IC4201
TT5ET08U
IC4204
NJM2060V
Q4206
2PD601AR
Q4209
2PB709AR
Q4207
C1I4EU
Q4202
2PD601AR
Q4205
2PD601AR
IC4206
NJM2904V
IC4203
TC4W66U
IC4202
TC4W53U
Q4208
C1I4EU
TO OUTPUT 4/6
TO OUTPUT 5/6
TO OUTPUT 6/6
OFF
ON
S4201
S0198CE
DUNTK9922DE
IC5251
MS23529P
Q2101
C2735
Q2201
C2735
Q2301
C2735

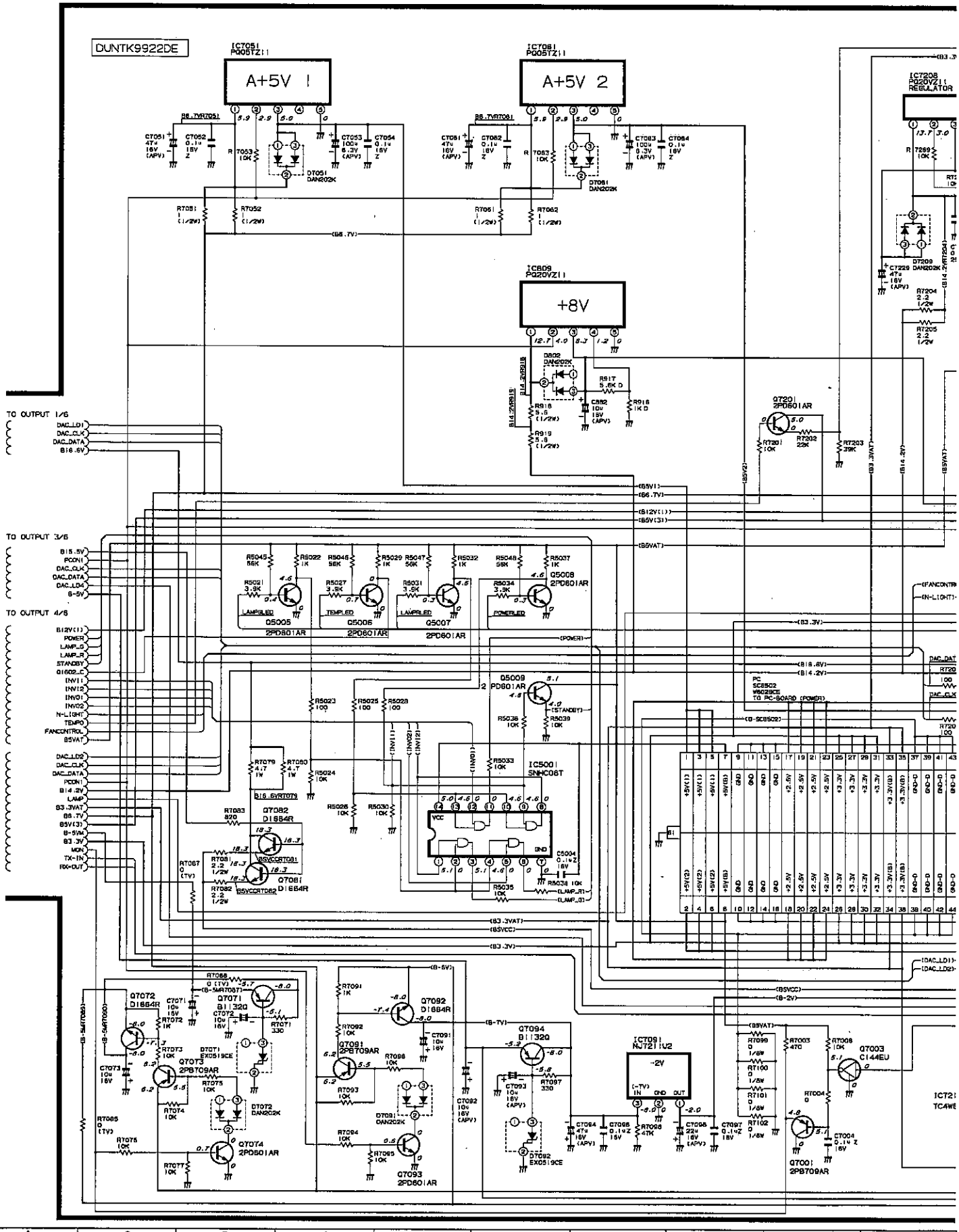
■ OUTPUT UNIT-4/6 / AUSGABEEINHEIT-4/6 输出电路装置-4/6

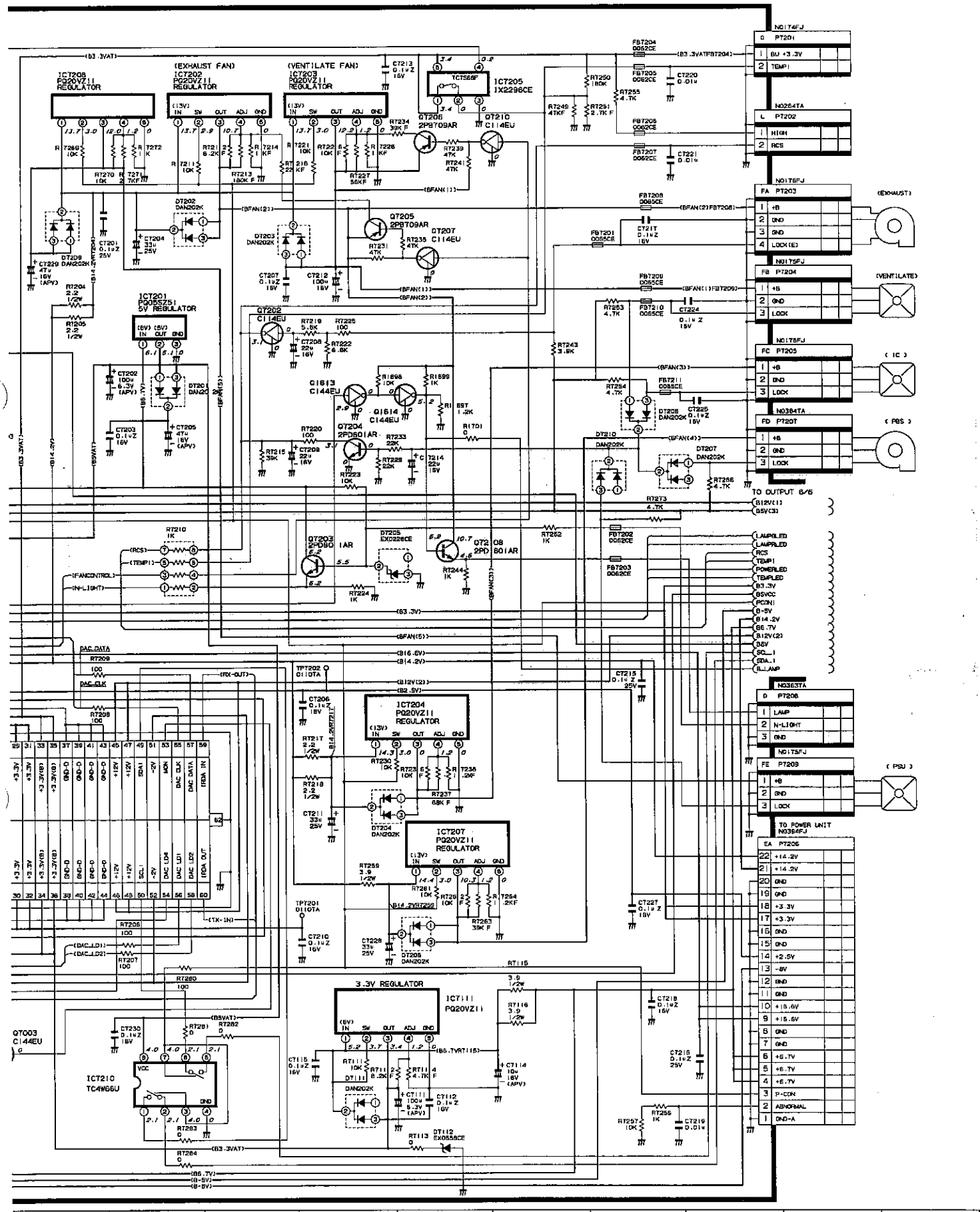




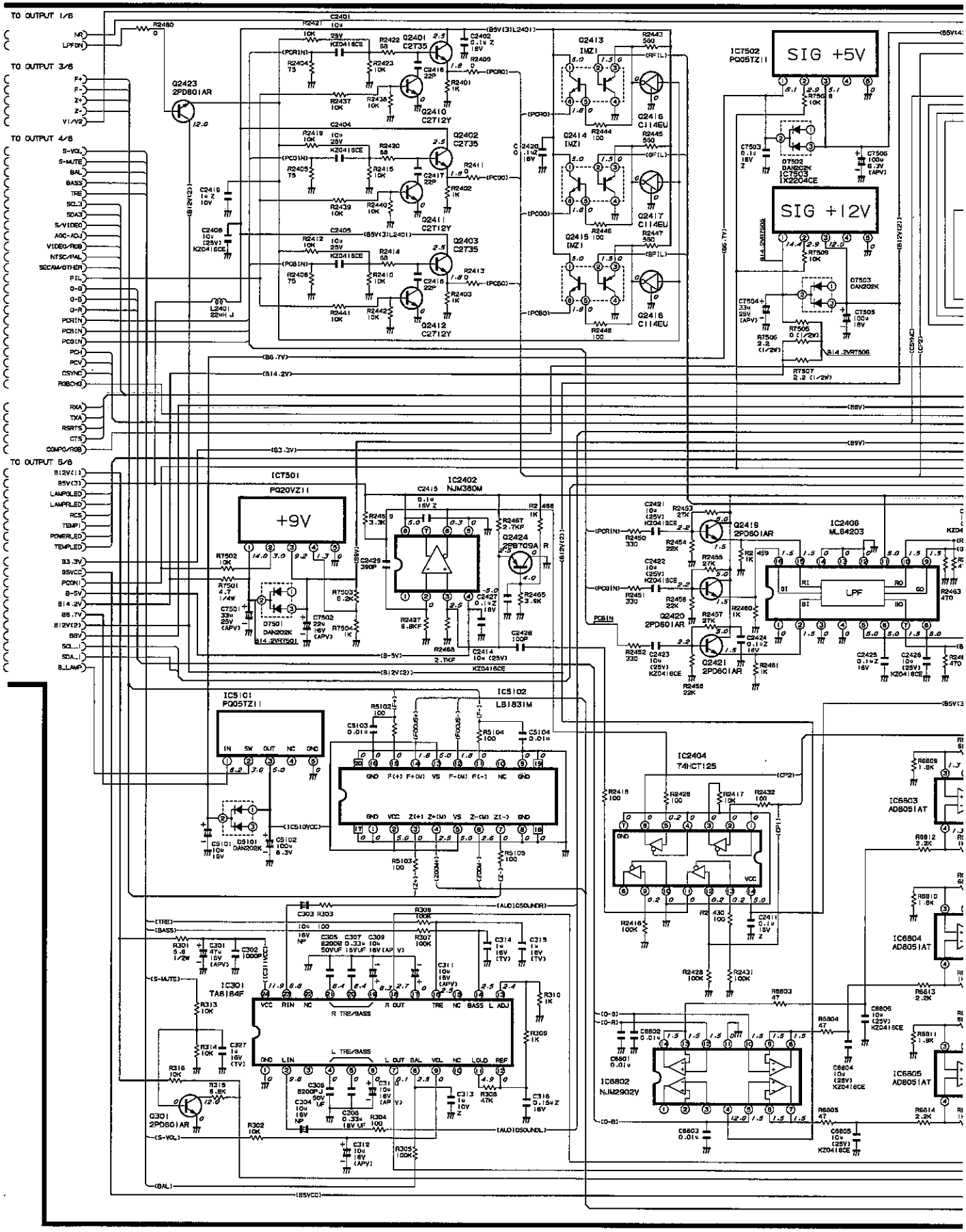
10	11	12	13	14	15	16	17	18	19

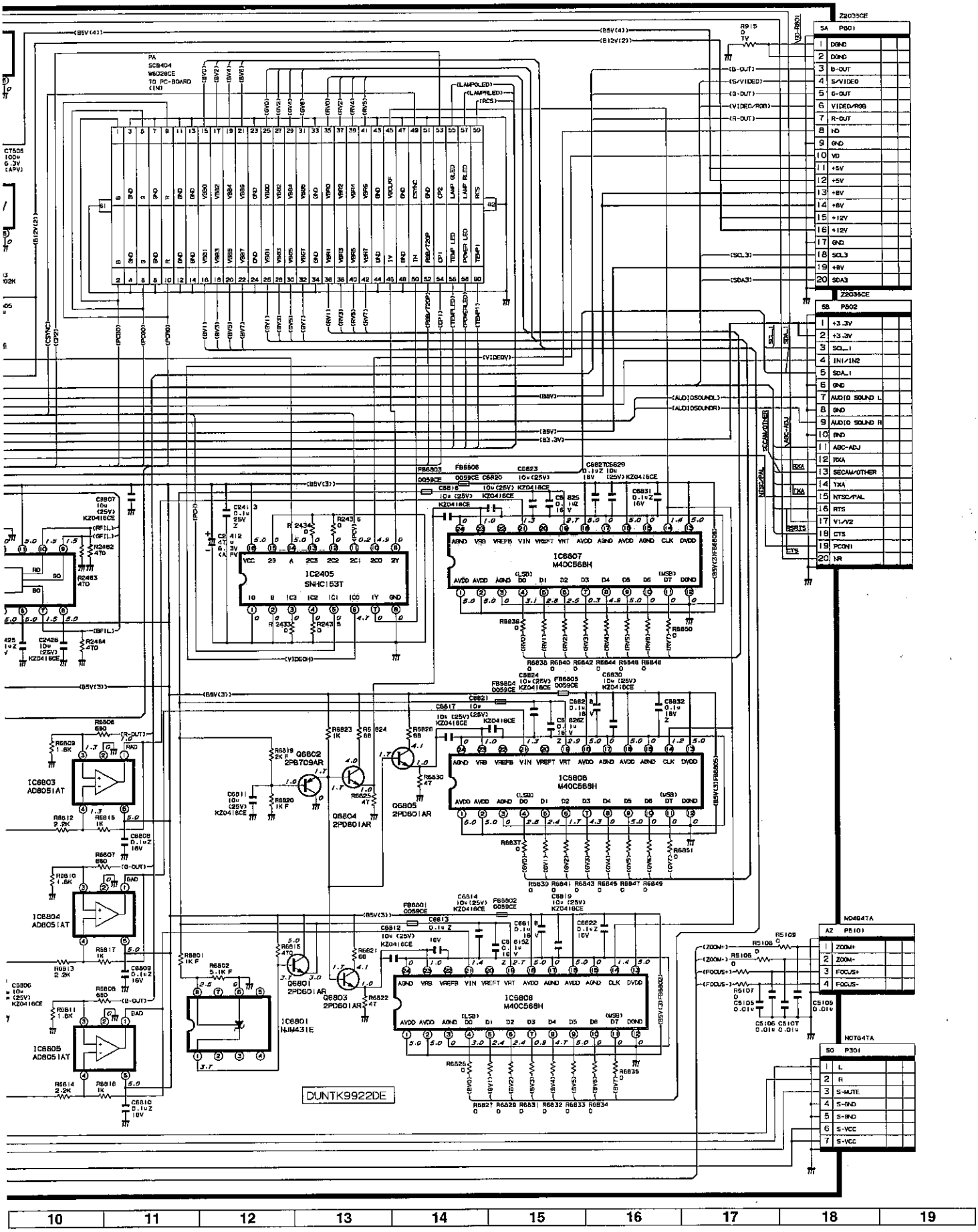
■ OUTPUT UNIT-5/6 / AUSGABEEINHEIT-5/6 输出电路装置-5/6




IC7208 PQ20VZ11 REGULATOR
(EXHAUST FAN) IC7202 PQ20VZ11 REGULATOR
(VENTILATE FAN) IC7203 PQ20VZ11 REGULATOR
IC7205 1X2296CE
IC7201 PQ05SZ51 5V REGULATOR
IC7204 PQ20VZ11 REGULATOR
IC7207 PQ20VZ11 REGULATOR
3.3V REGULATOR IC7111 PQ20VZ11
IC7210 TC4W66U
TO OUTPUT 6/6
TO POWER UNIT N0364FJ
PT201
PT202
PT203
PT204
PT205
PT207
PT208
PT209
PT206
(EXHAUST)
(VENTILATE)
(IC)
(FBS)
(PSU)
DAC DATA
DAC CLK
(FANCONTROL)
(IN-LIGHT)
(RCS)
(TEMP1)
(TX-OUT)
(TX-IN)

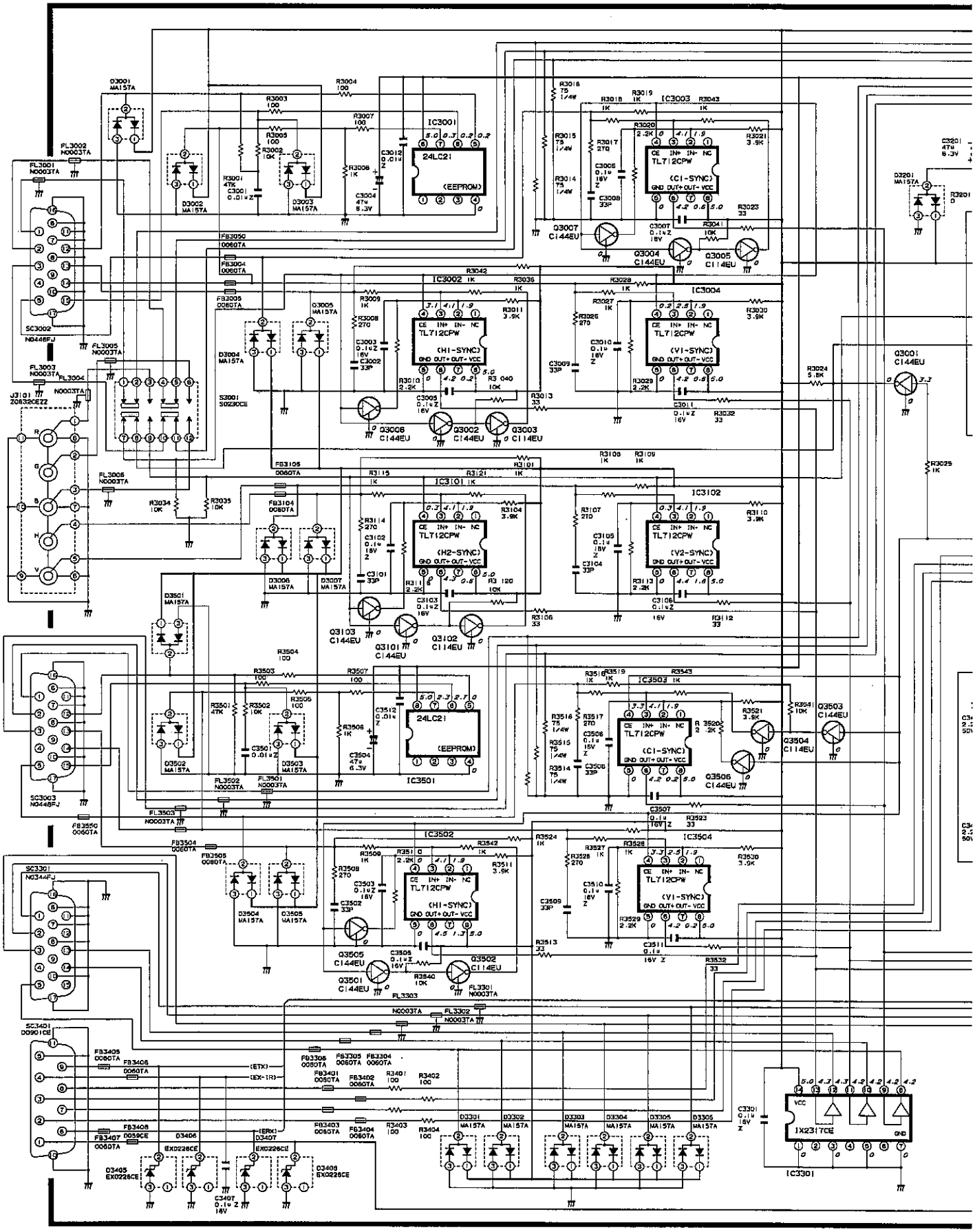
■ OUTPUT UNIT-6/6 / AUSGABEEINHEIT-6/6 输出电路装置-6/6

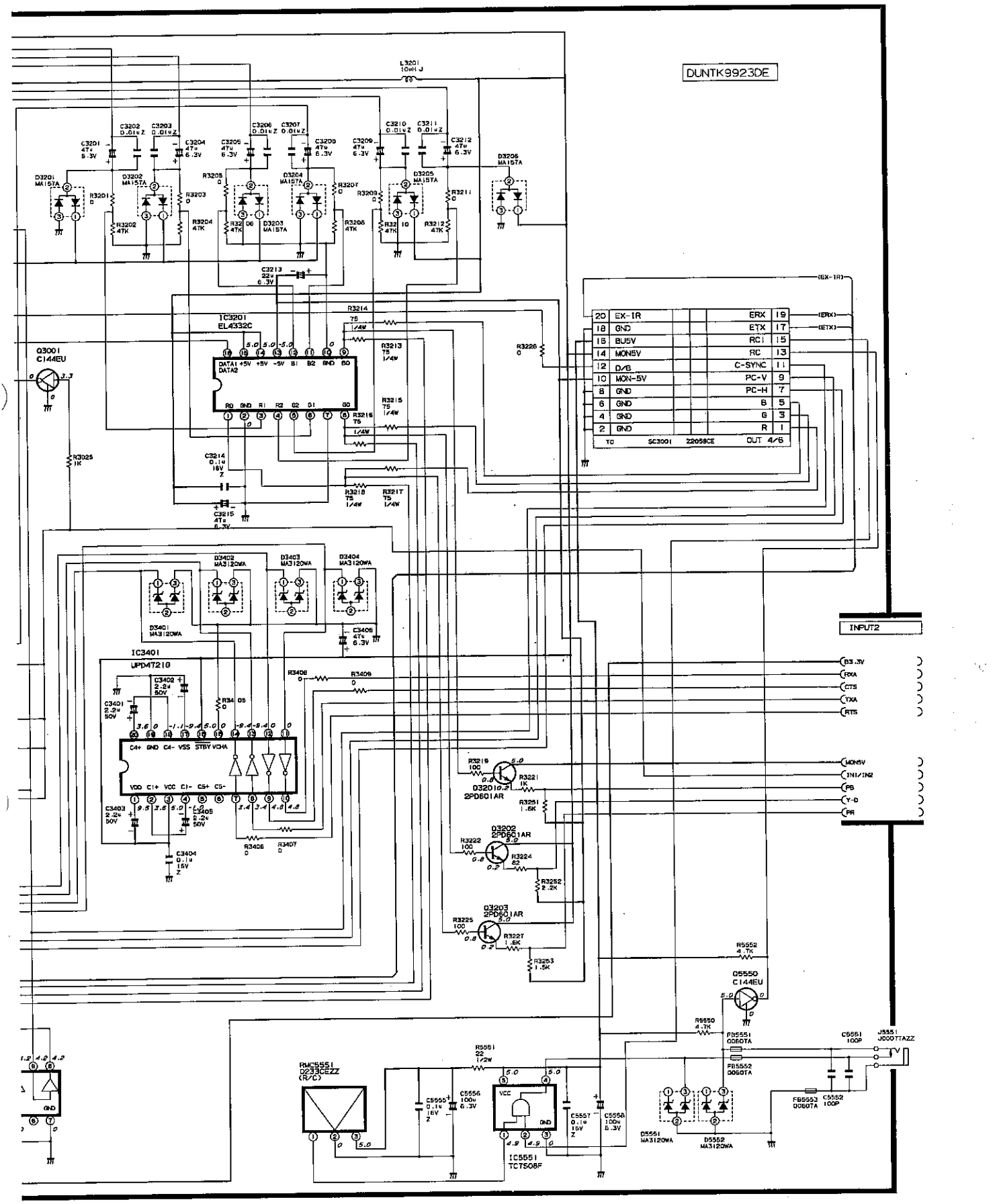




10	11	12	13	14	15	16	17	18	19

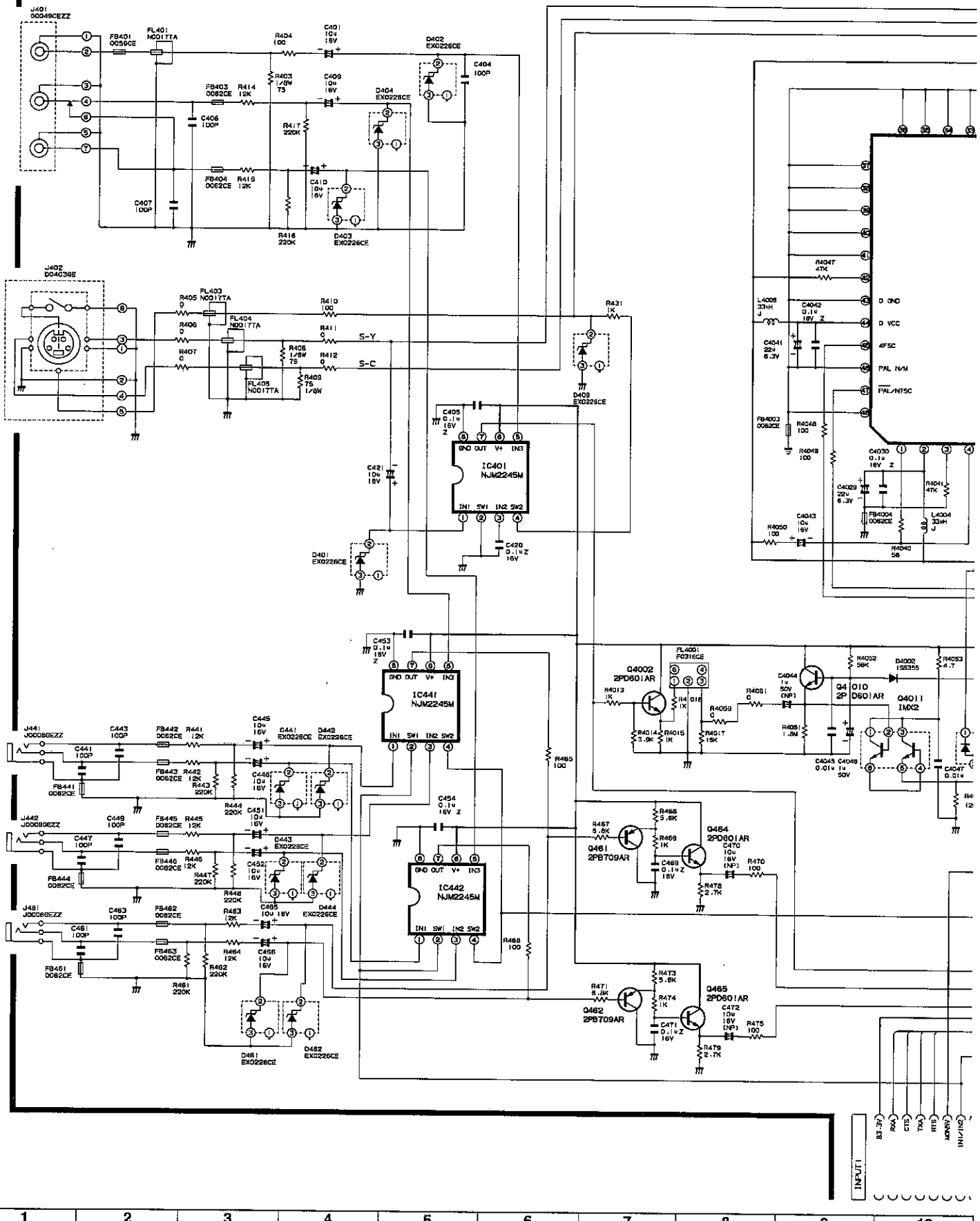
■ TERMINAL UNIT-1/2 / ANSCHLUßEINHEIT-1/2 插接电路装置-1/2

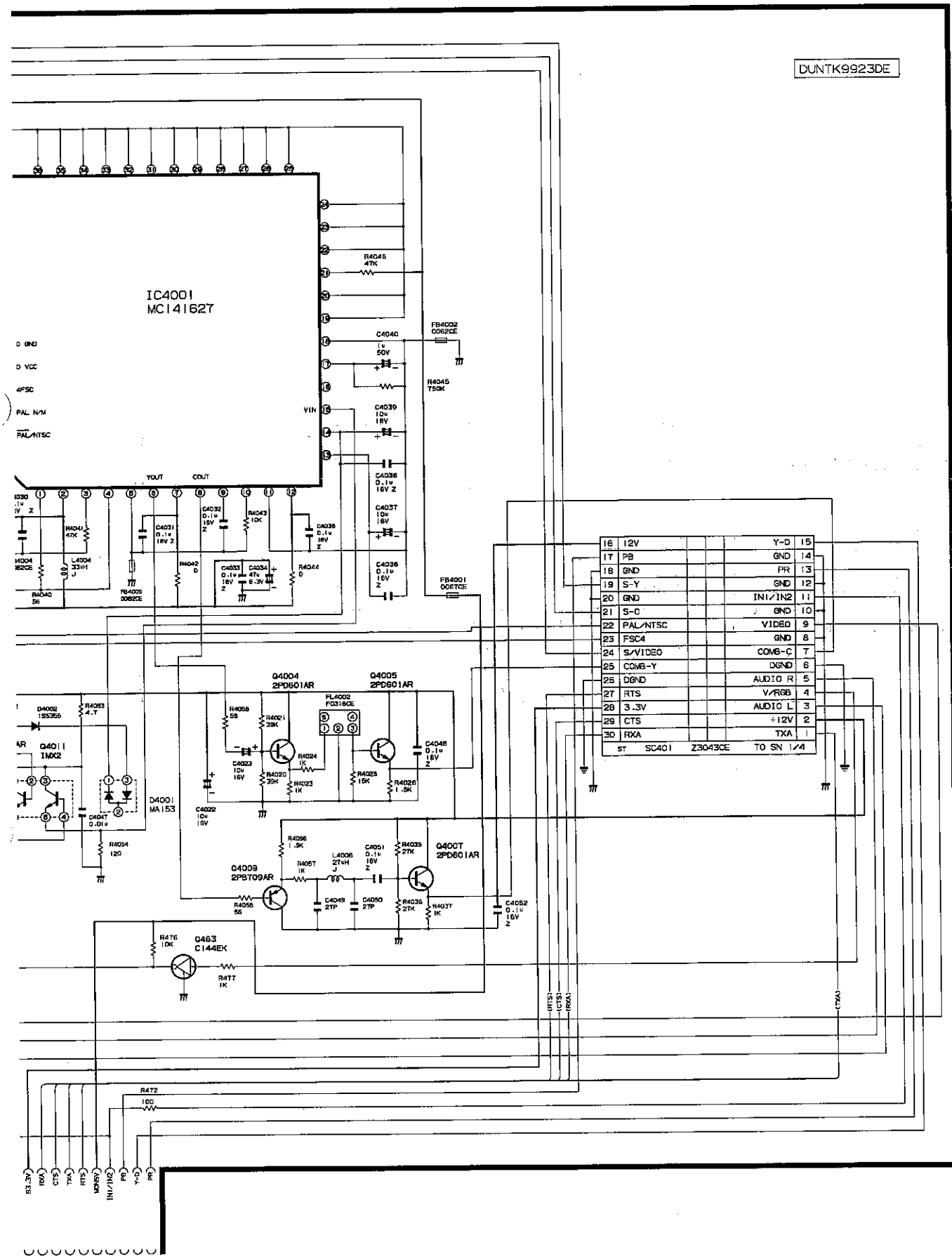




10	11	12	13	14	15	16	17	18	19

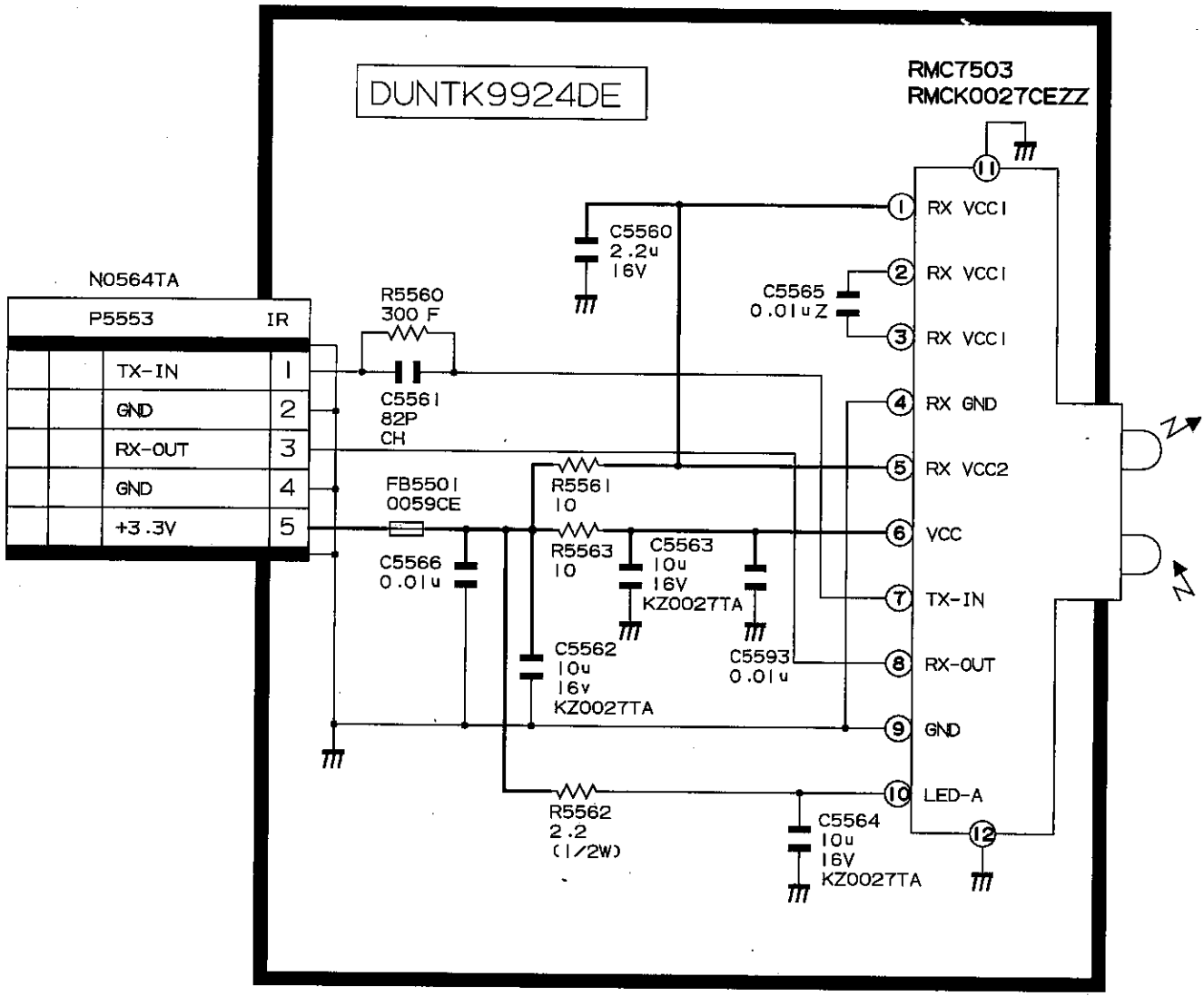
■ TERMINAL UNIT-2/2 / ANSCHLUßEINHEIT-2/2 插接电路装置-2/2



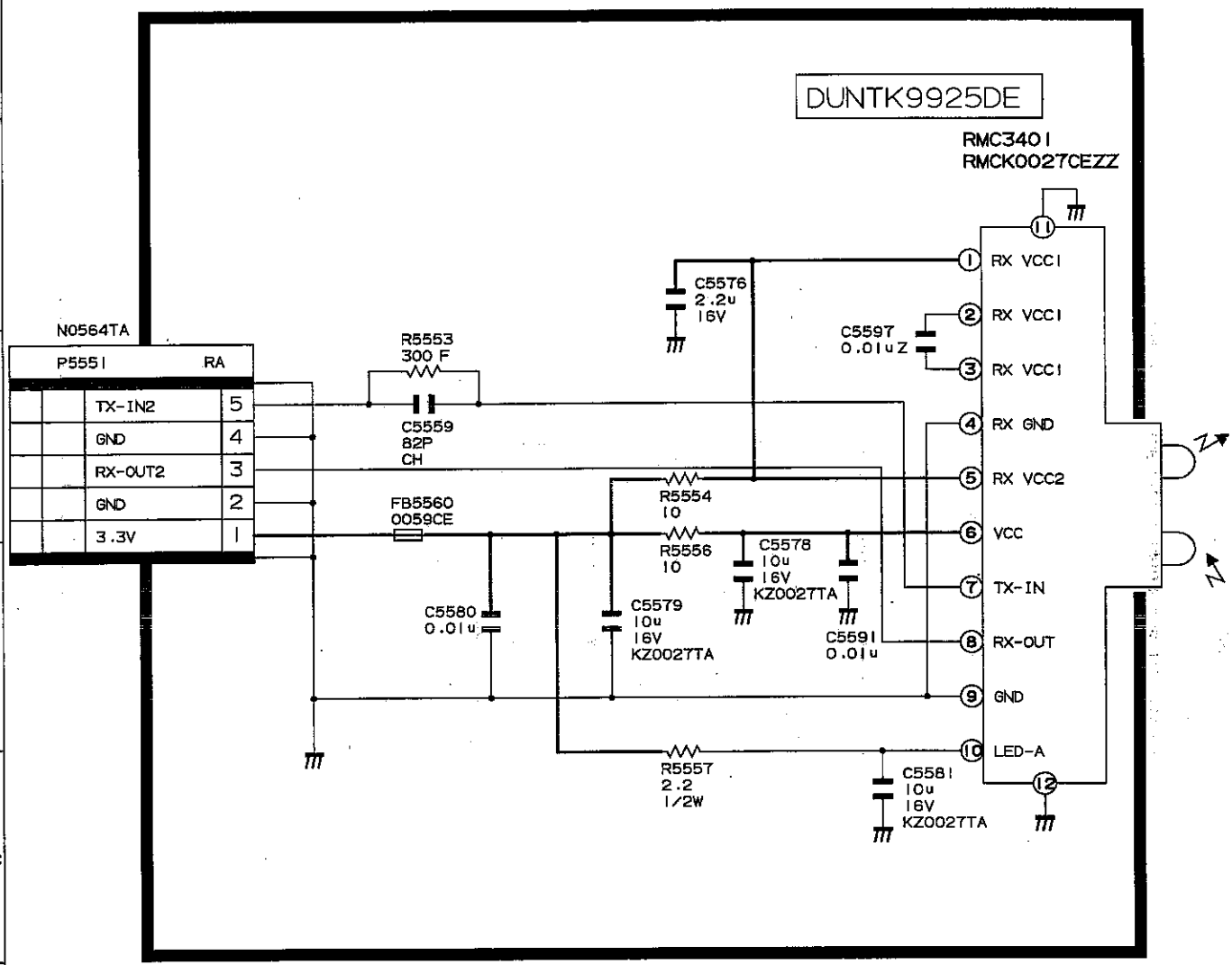


10	11	12	13	14	15	16	17	18	19

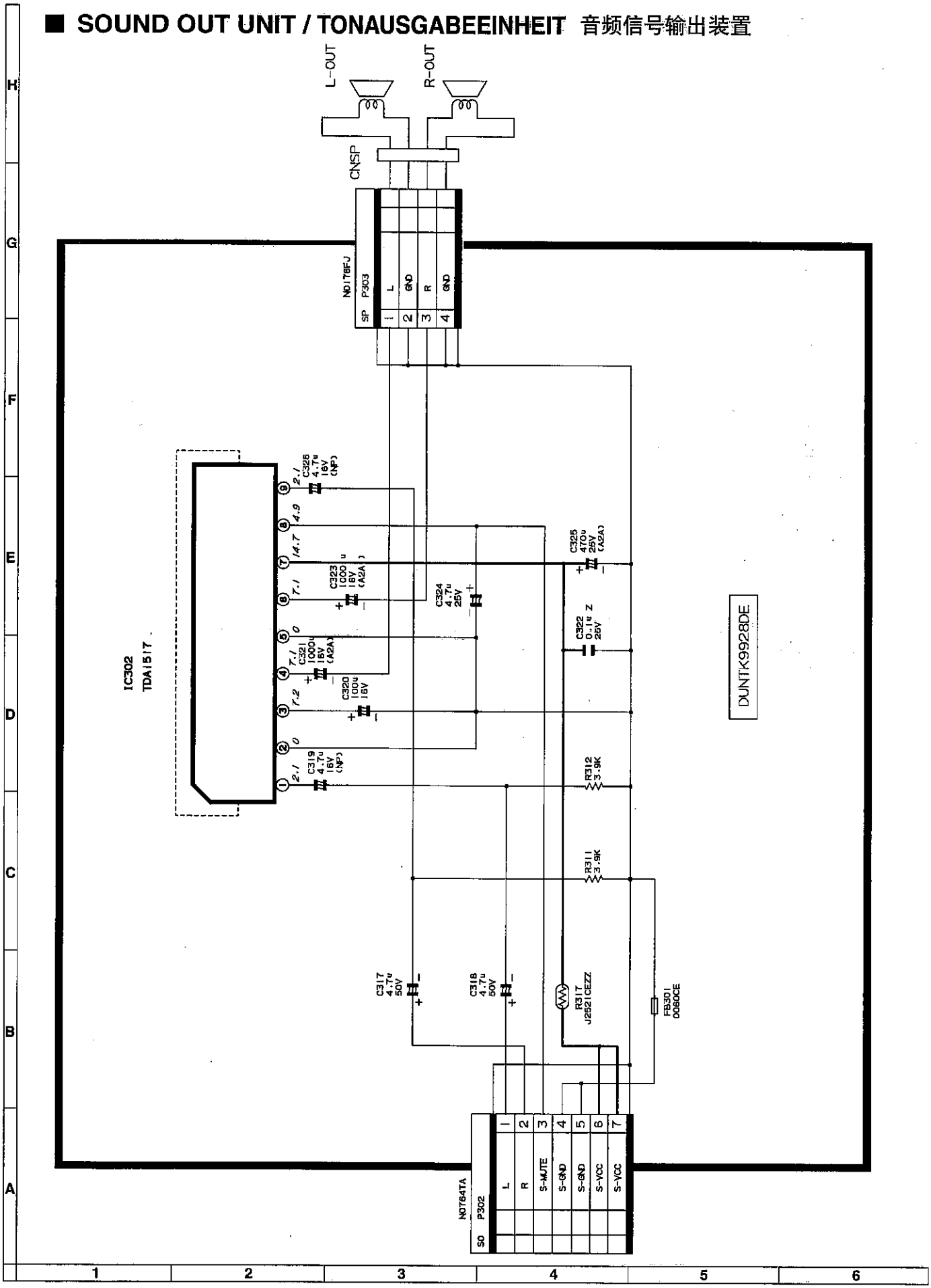
■ IR-DA(1) UNIT / IR-DA(1)-Einheit IR-DA(1)装置印刷电路板



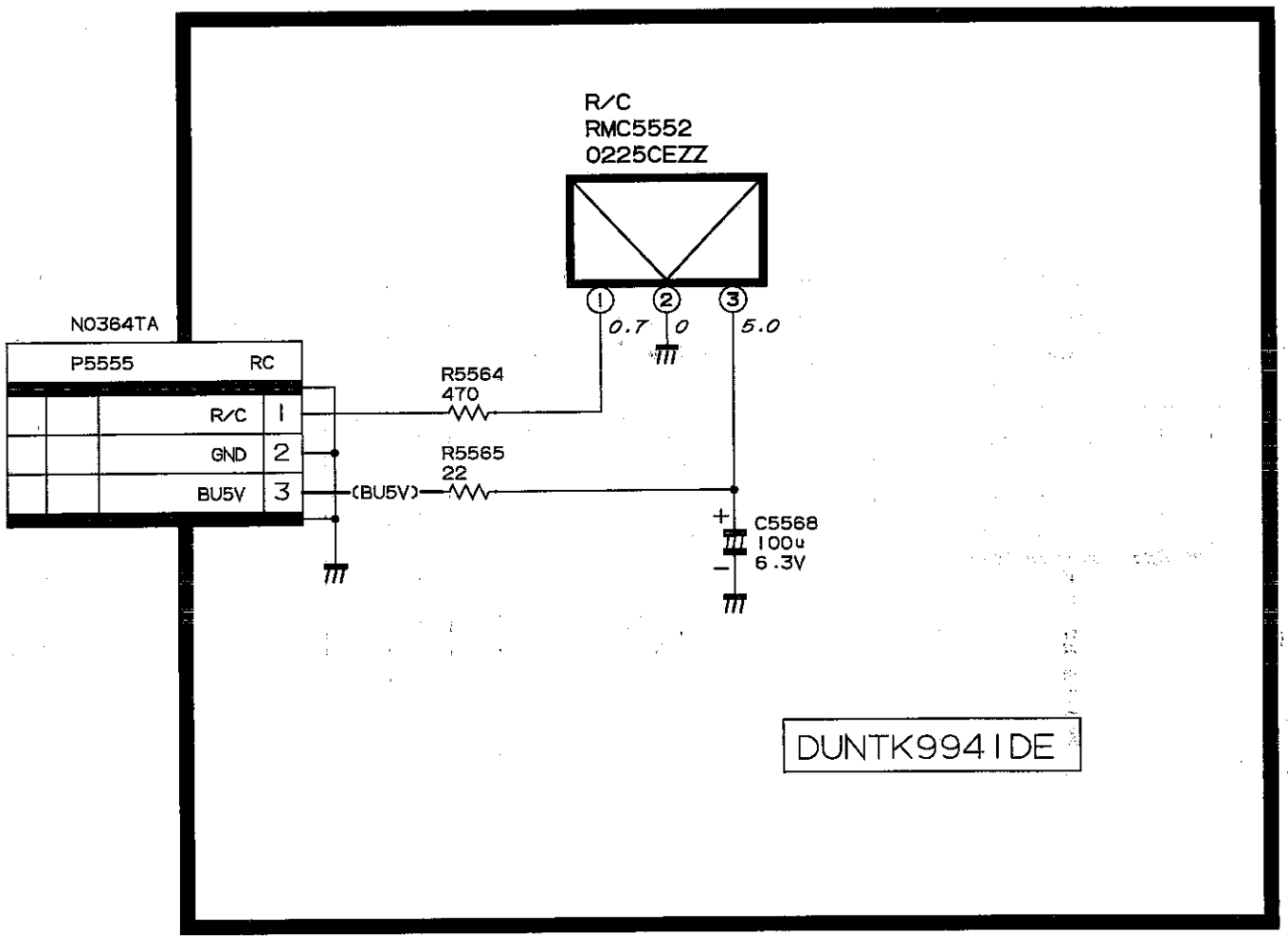
■ IR-DA(2) UNIT / IR-DA(2)-Einheit IR-DA(2)装置印刷电路板



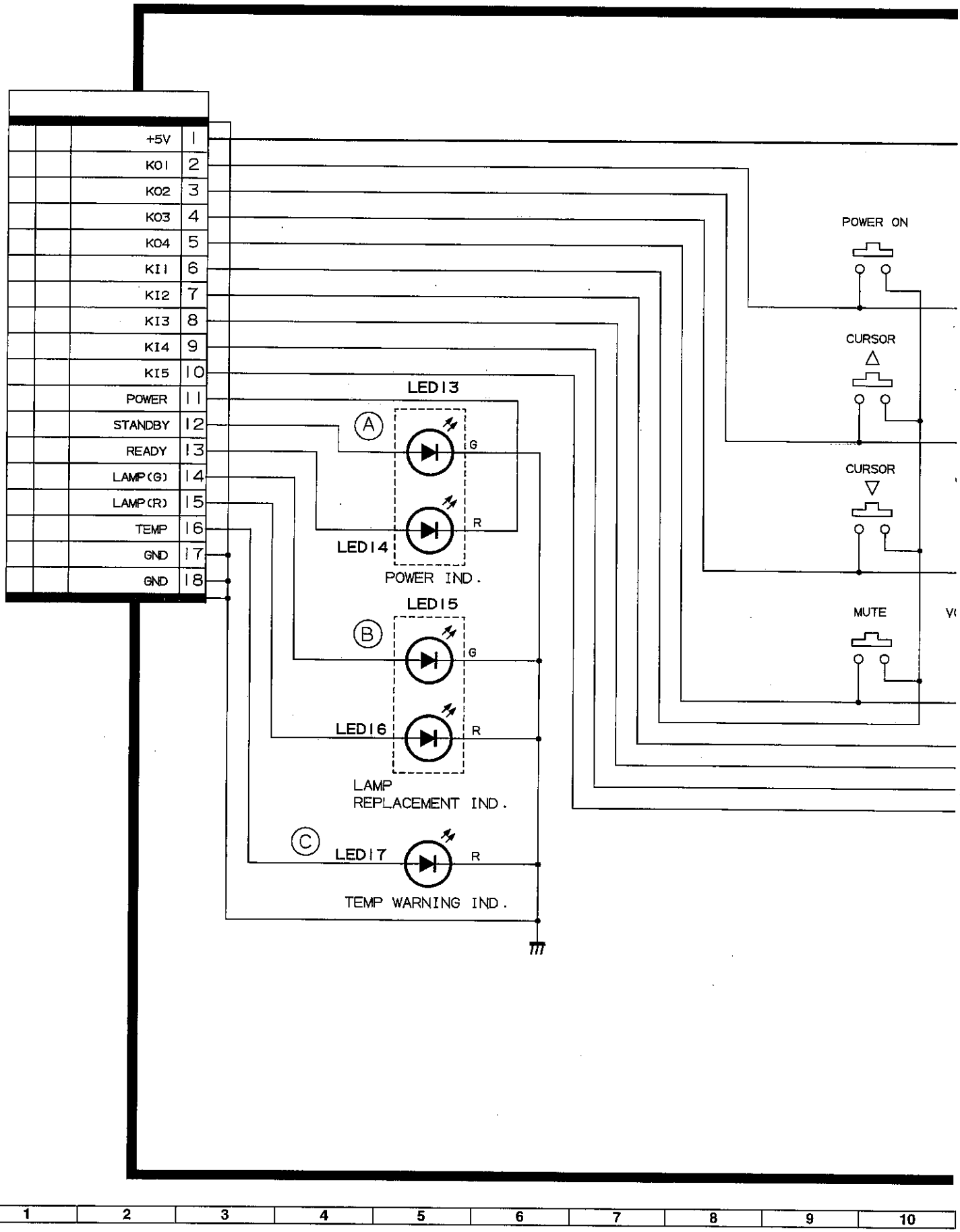
■ SOUND OUT UNIT / TONAUSGABEEINHEIT 音频信号输出装置

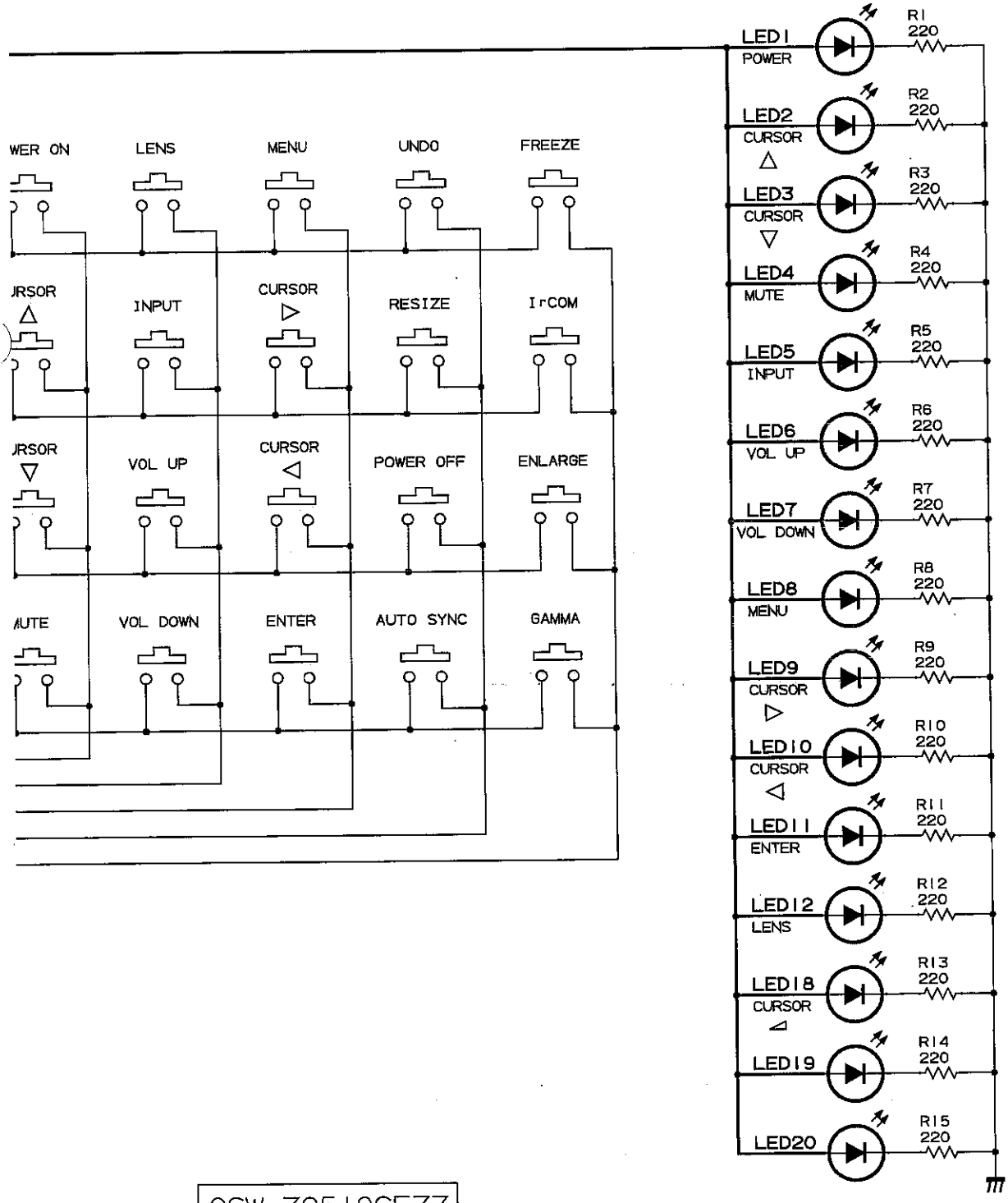


■ R/C RECEIVER UNIT / FERNBEDIENUNGSEINHEIT 遥控信号接收器电路装置



■ OPERATION KEY UNIT / BEDIENUNGSTASTENEINHEIT 操作鍵裝置



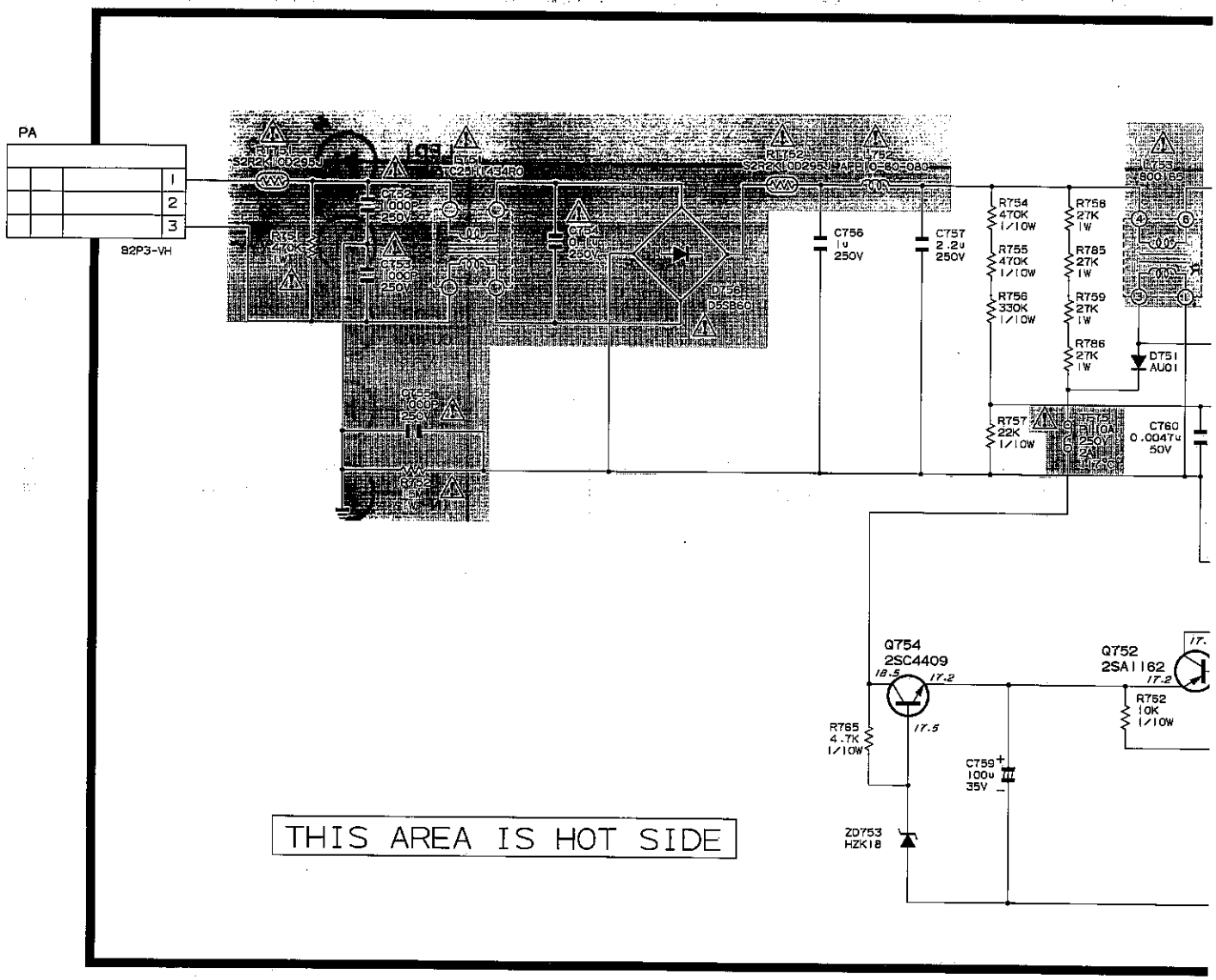


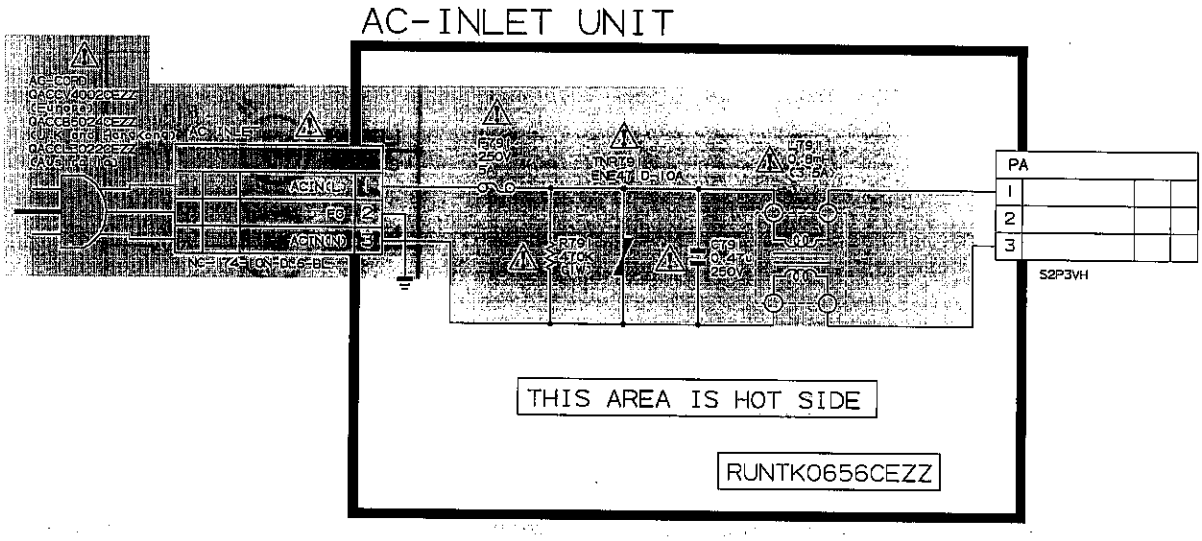
QSW-Z0519CEZZ

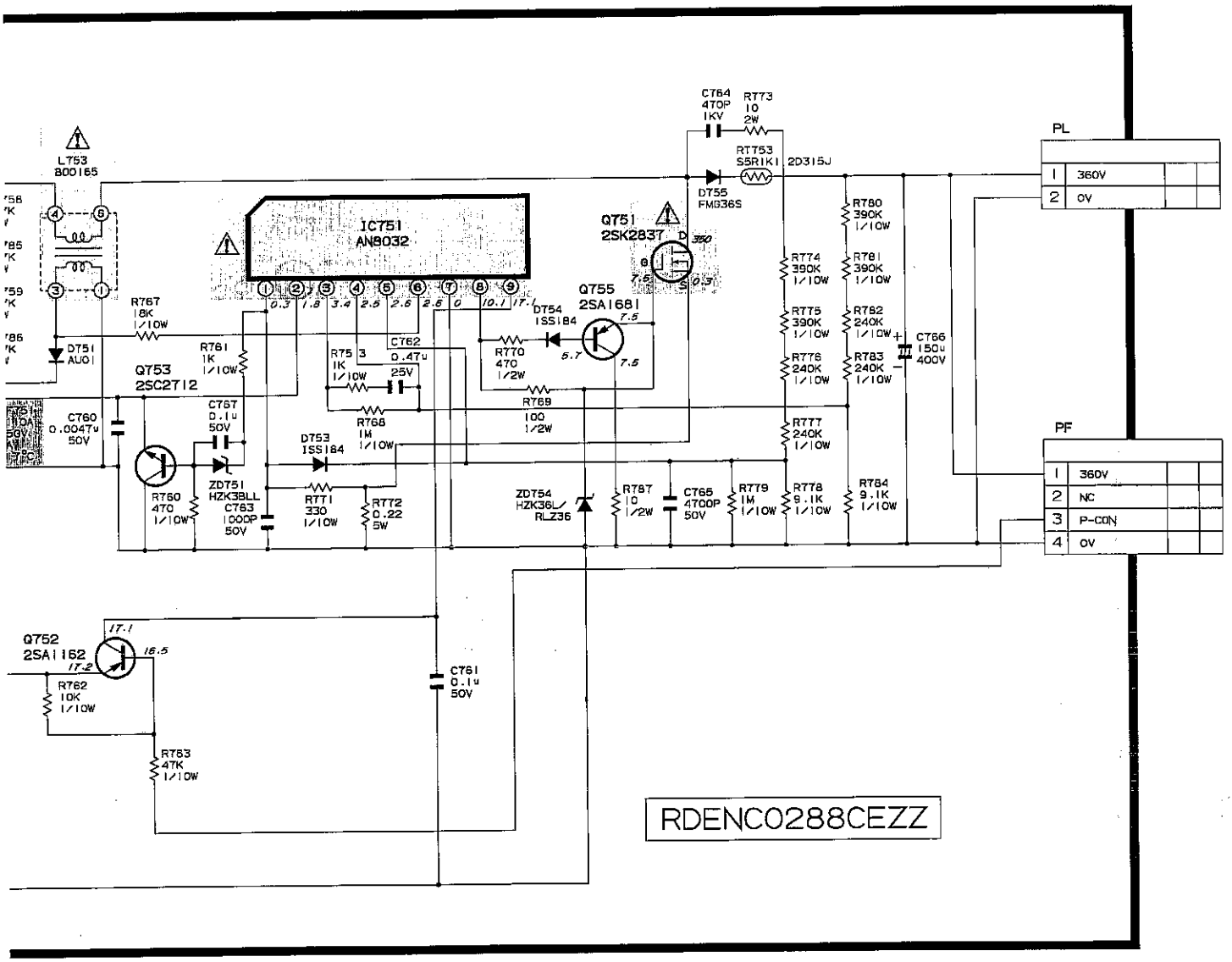
10	11	12	13	14	15	16	17	18	19

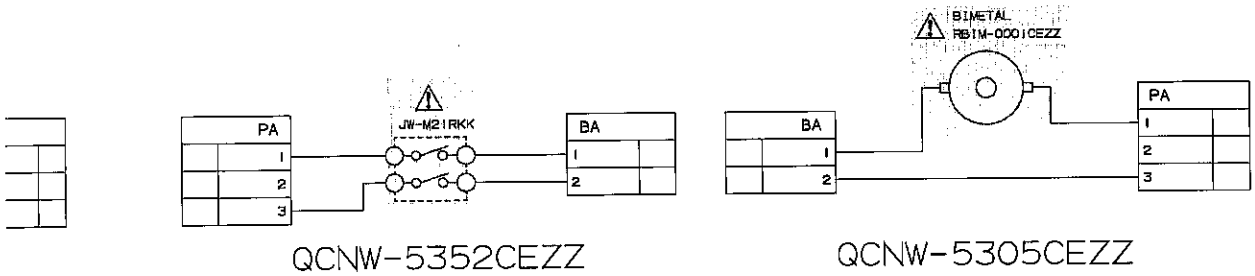
■ FILTER AND INLET UNIT / FILTER UND EINLAßEINHEIT

濾波器板和输入电路装置

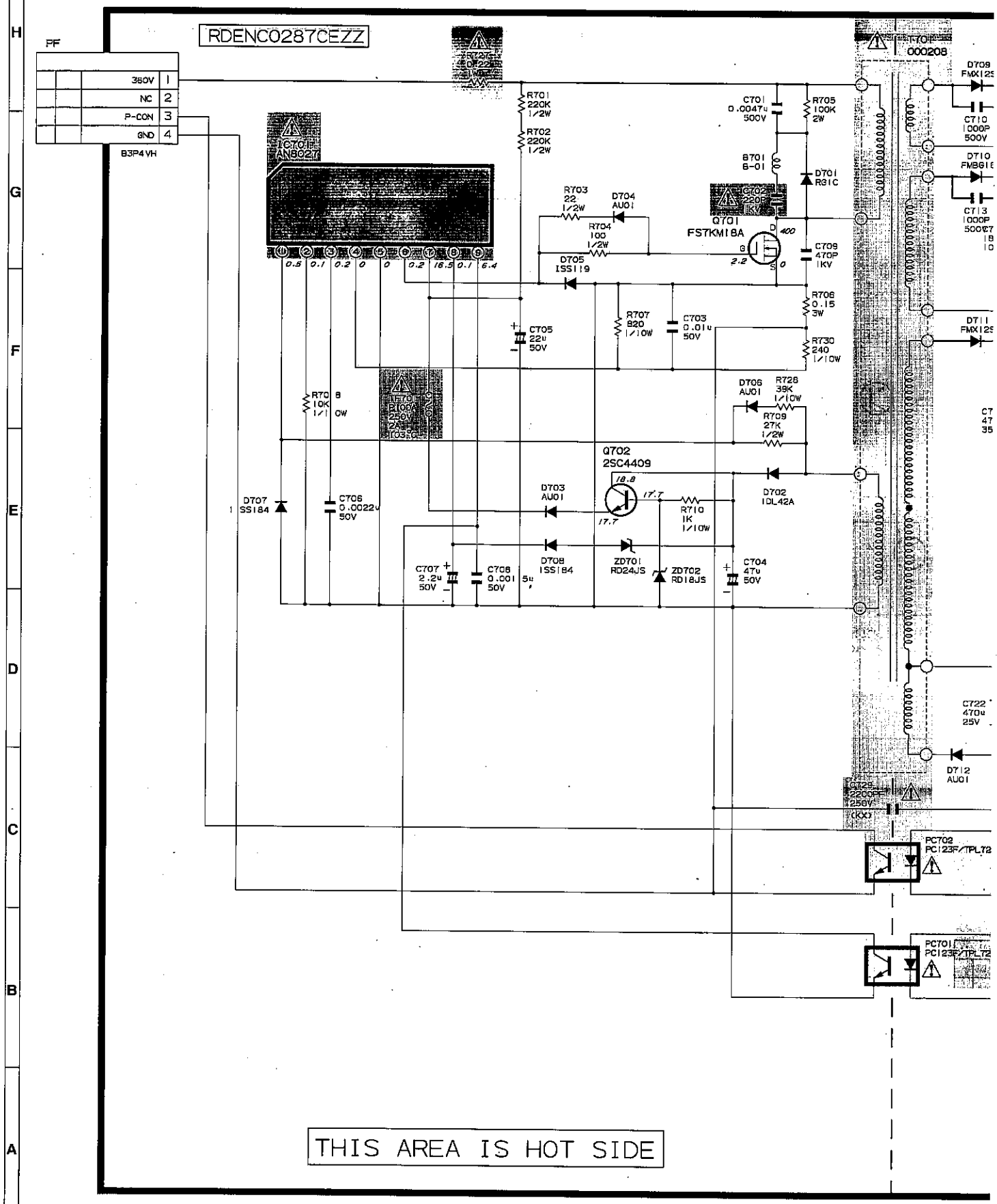


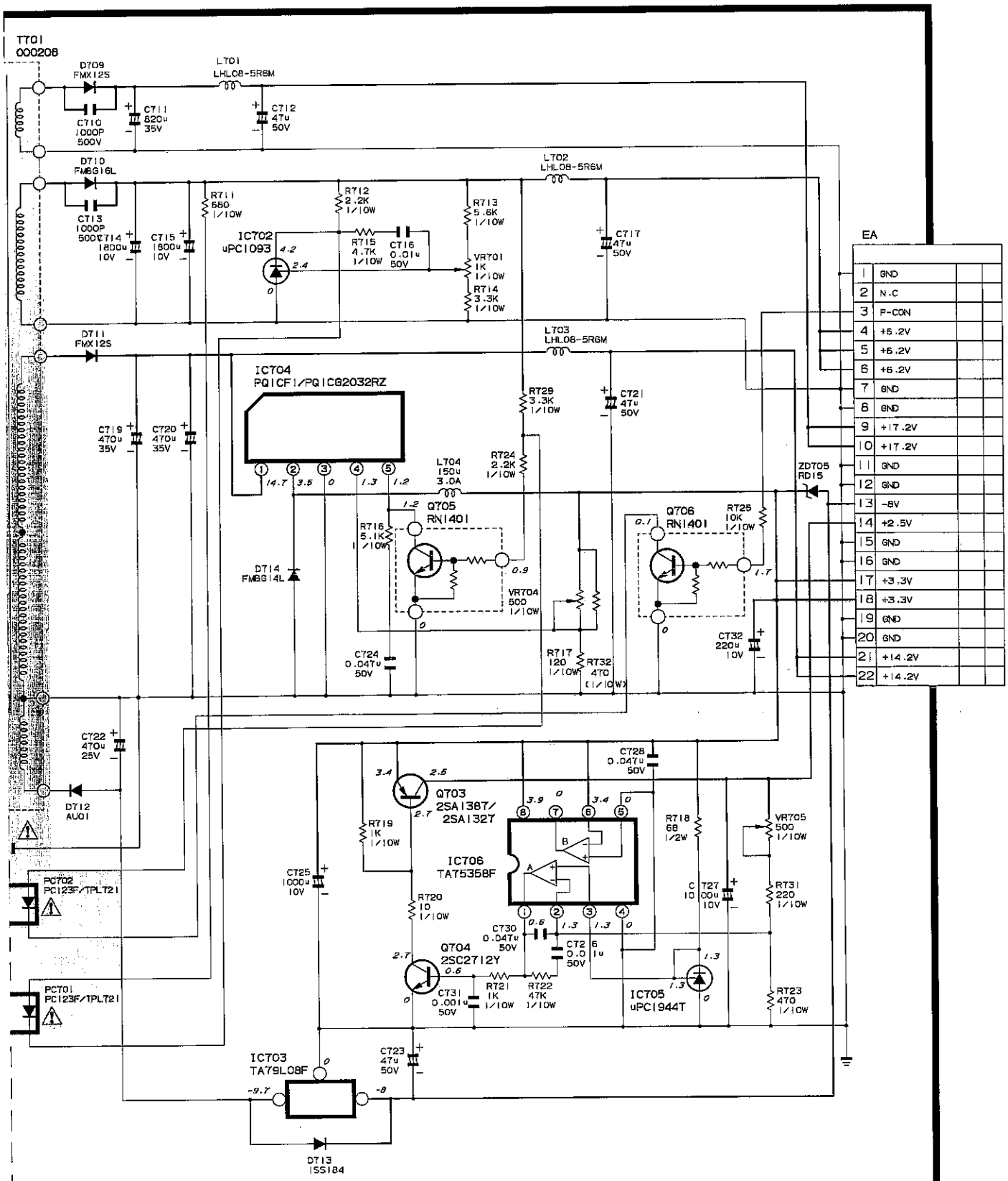



L753
800165
IC751
AN8032
Q751
2SK2837
Q755
2SA1681
Q753
2SC2712
Q752
2SA1162
D751
AU01
D753
1SS184
D754
1SS184
ZD751
HZK3BLL
ZD754
HZK36L/
RLZ36
D755
FMB36S
RT753
S5R1K1
2D315J
C764
470P
1KV
RT73
10
2W
C766
150u
400V
C760
0.0047u
50V
C761
0.1u
50V
C762
0.47u
25V
C767
0.1u
50V
C763
1000P
50V
C765
4700P
50V
R767
8K
1/10W
R761
1K
1/10W
R760
470
1/10W
R762
10K
1/10W
R763
47K
1/10W
R768
1M
1/10W
R769
100
1/2W
R770
470
1/2W
R771
330
1/10W
R772
0.22
5W
R773
1K
1/10W
R774
390K
1/10W
R775
390K
1/10W
R776
240K
1/10W
R777
240K
1/10W
R778
9.1K
1/10W
R779
1M
1/10W
R780
390K
1/10W
R781
390K
1/10W
R782
240K
1/10W
R783
240K
1/10W
R784
9.1K
1/10W
R787
0
1/2W
PL
1 360V
2 0V
PF
1 360V
2 NC
3 P-CON
4 0V
RDENC0288CEZZ


PA
1
2
3
JW-M21RKK
BA
1
2
QCNW-5352CEZZ
BIMETAL
RBIM-0001CEZZ
BA
1
2
PA
1
2
3
QCNW-5305CEZZ

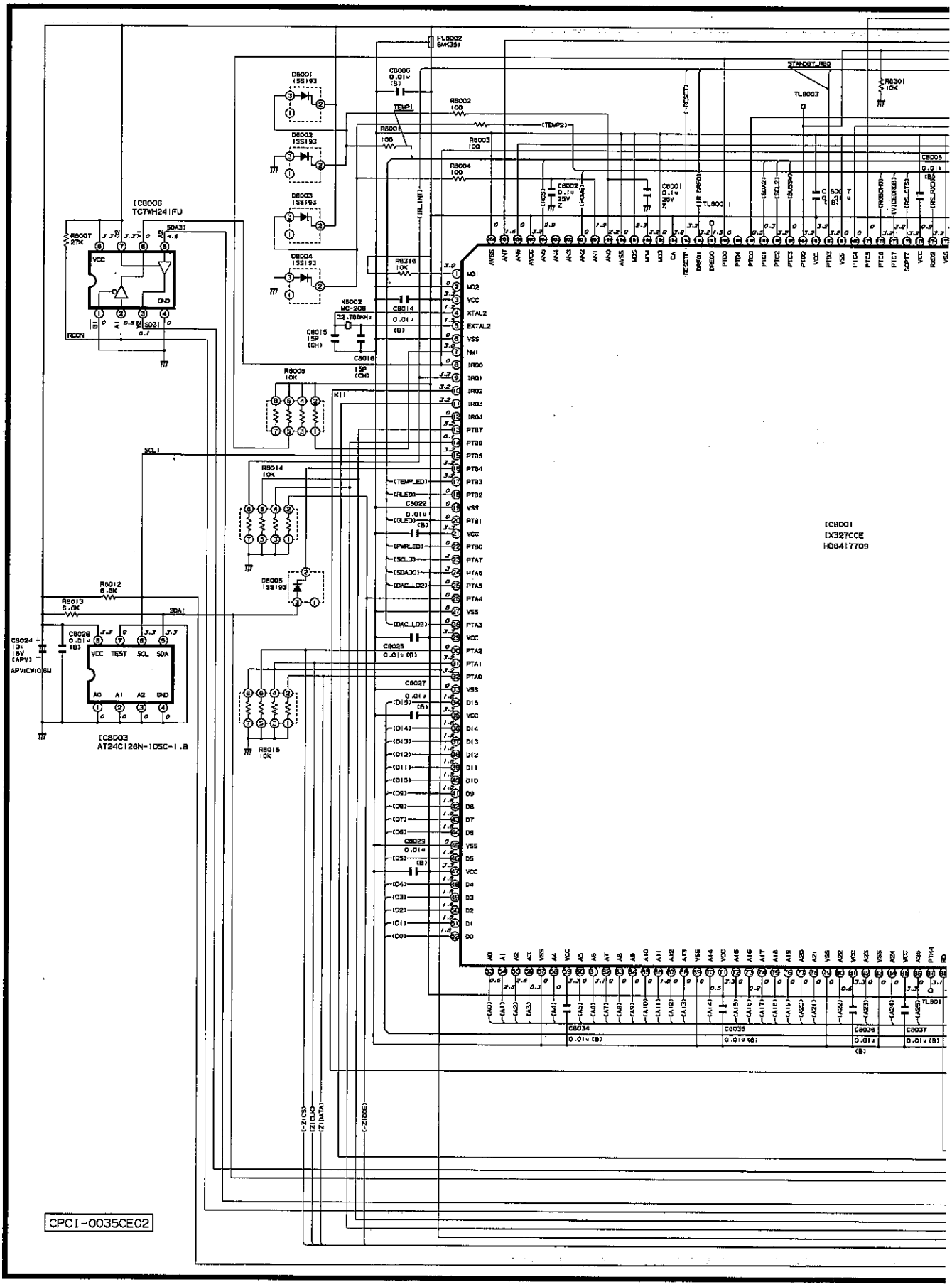
■ POWER UNIT / NETZEINHEIT 电源电路装置

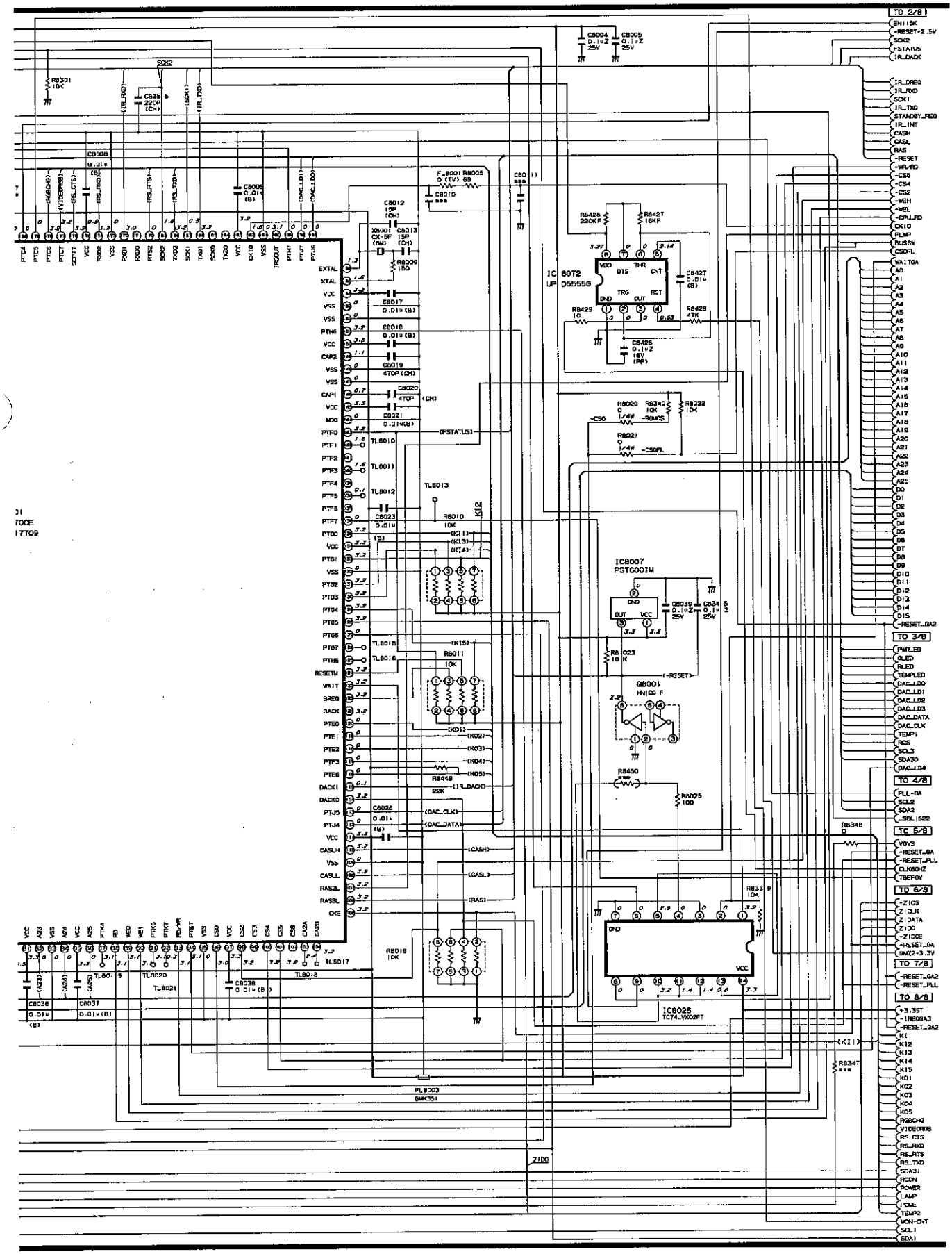




10	11	12	13	14	15	16	17	18	19

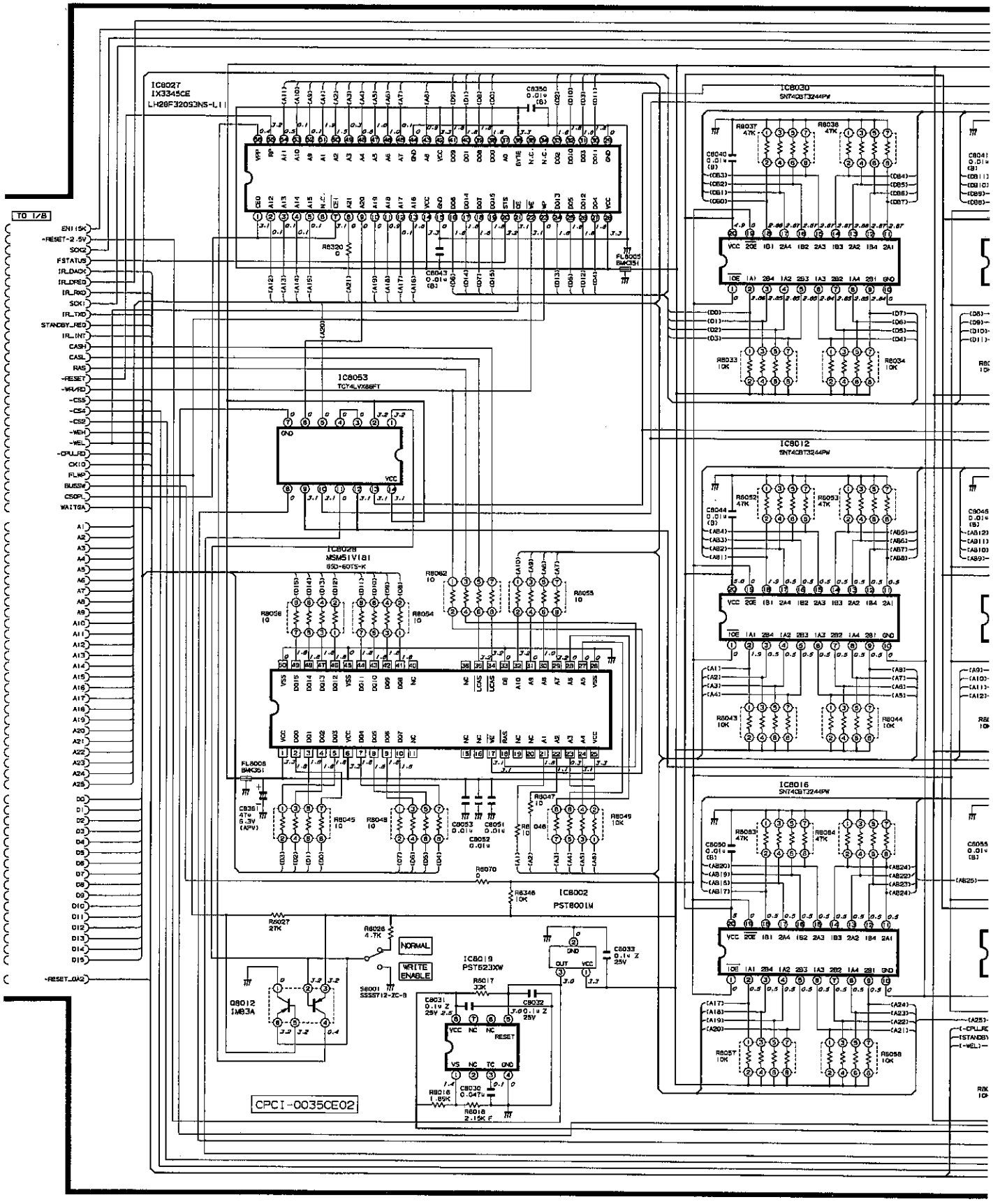
■ PC I/F UNIT-1/8 / PC-I/F-EINHEIT-1/8 PC I/F装置-1/8

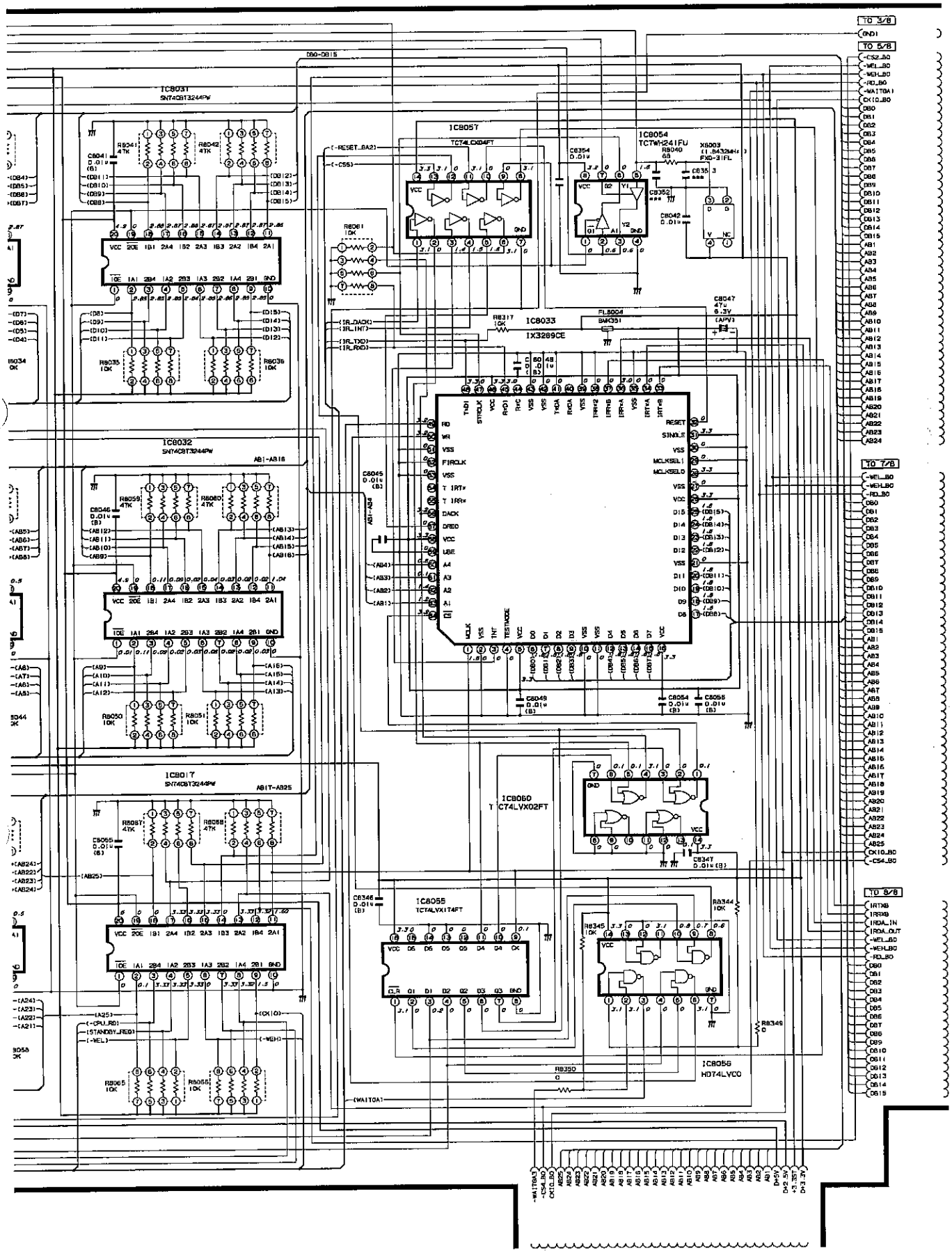




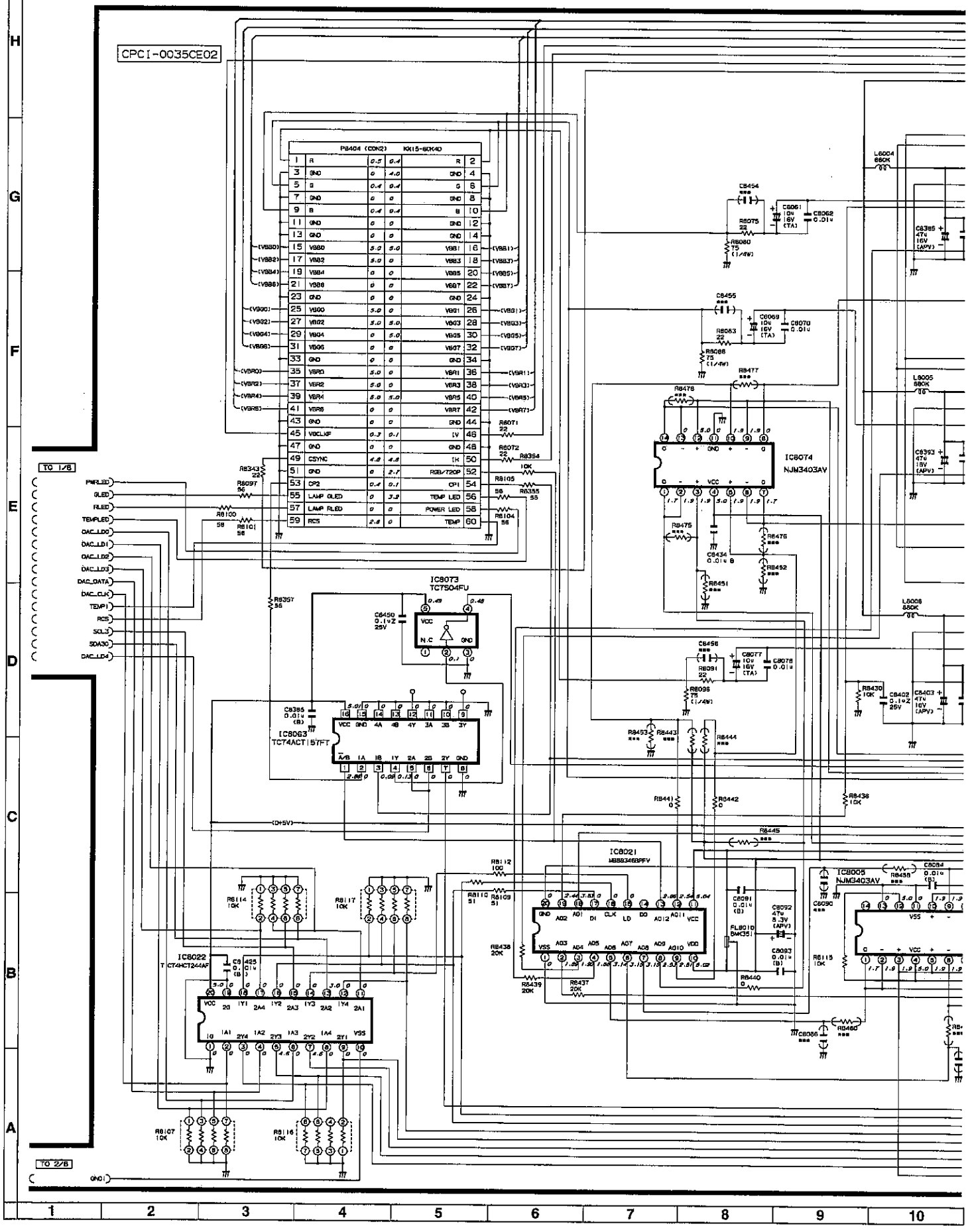
10	11	12	13	14	15	16	17	18	19

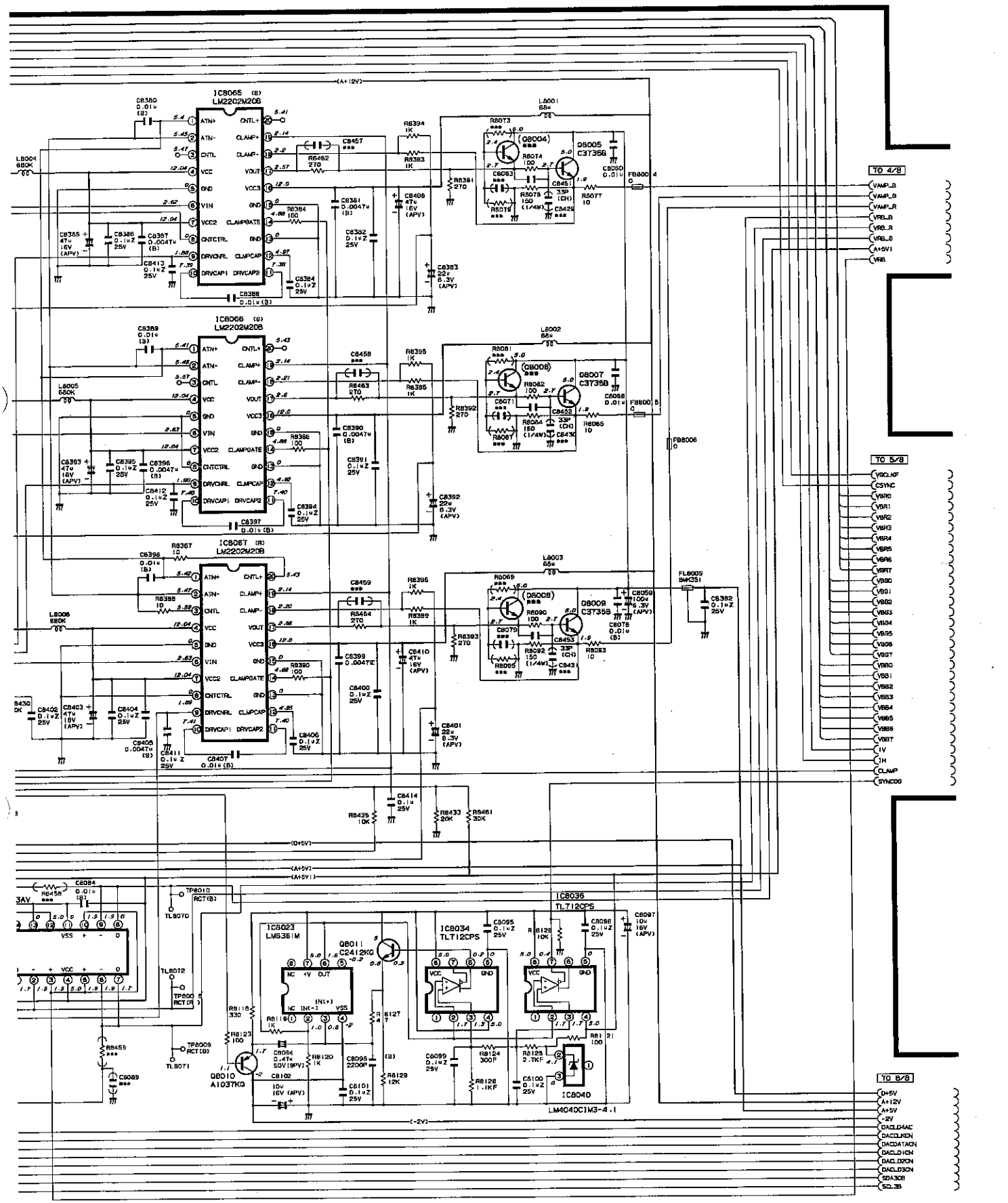
■ PC I/F UNIT-2/8 / PC-I/F-EINHEIT-2/8 PC I/F装置-2/8




IC8031
SN74CBT3244PW
IC8032
SN74CBT3244PW
IC8033
IX3289CE
IC8054
TC7WH241FU
IC8057
TC74LCX04FT
IC8060
TC74LVX02FT
IC8055
TC74LVX174FT
IC8056
HD74LVC0
IC8017
SN74CBT3244PW
TO 5/8
TO 7/8
TO 8/8
DB0-DB15
AB1-AB16
AB17-AB25

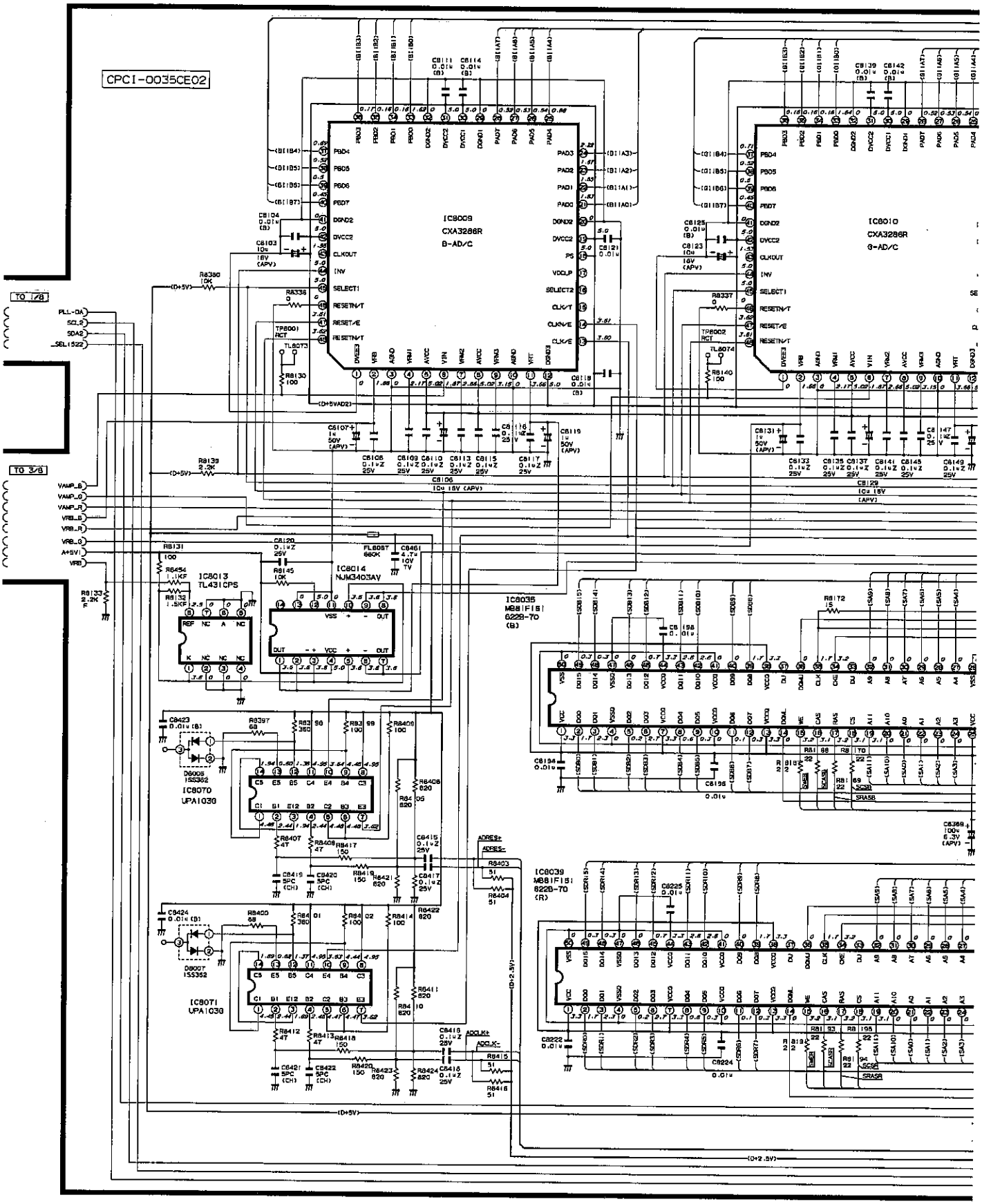
■ PC I/F UNIT-3/8 / PC-I/F-EINHEIT-3/8 PC I/F装置-3/8

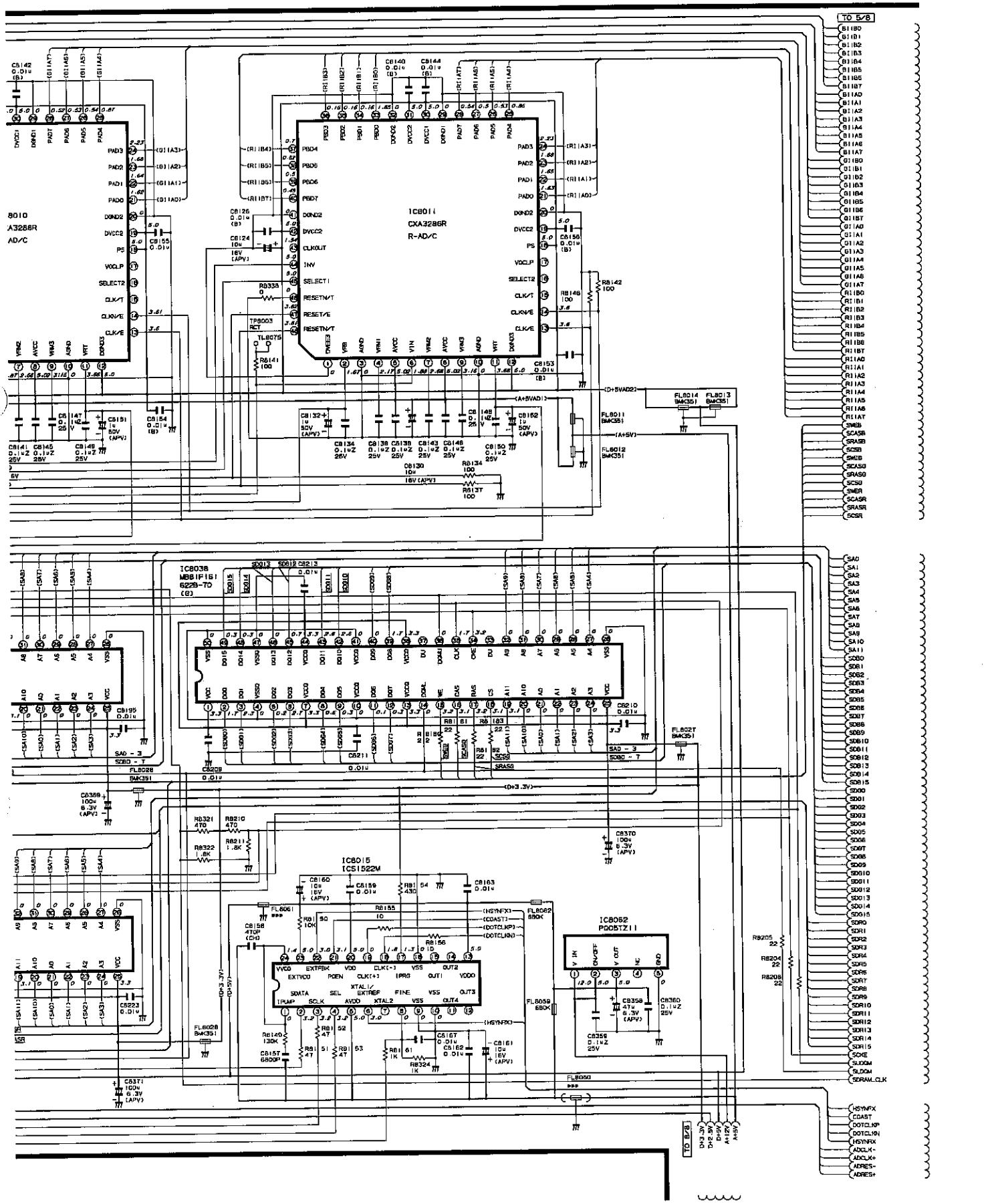




10	11	12	13	14	15	16	17	18	19

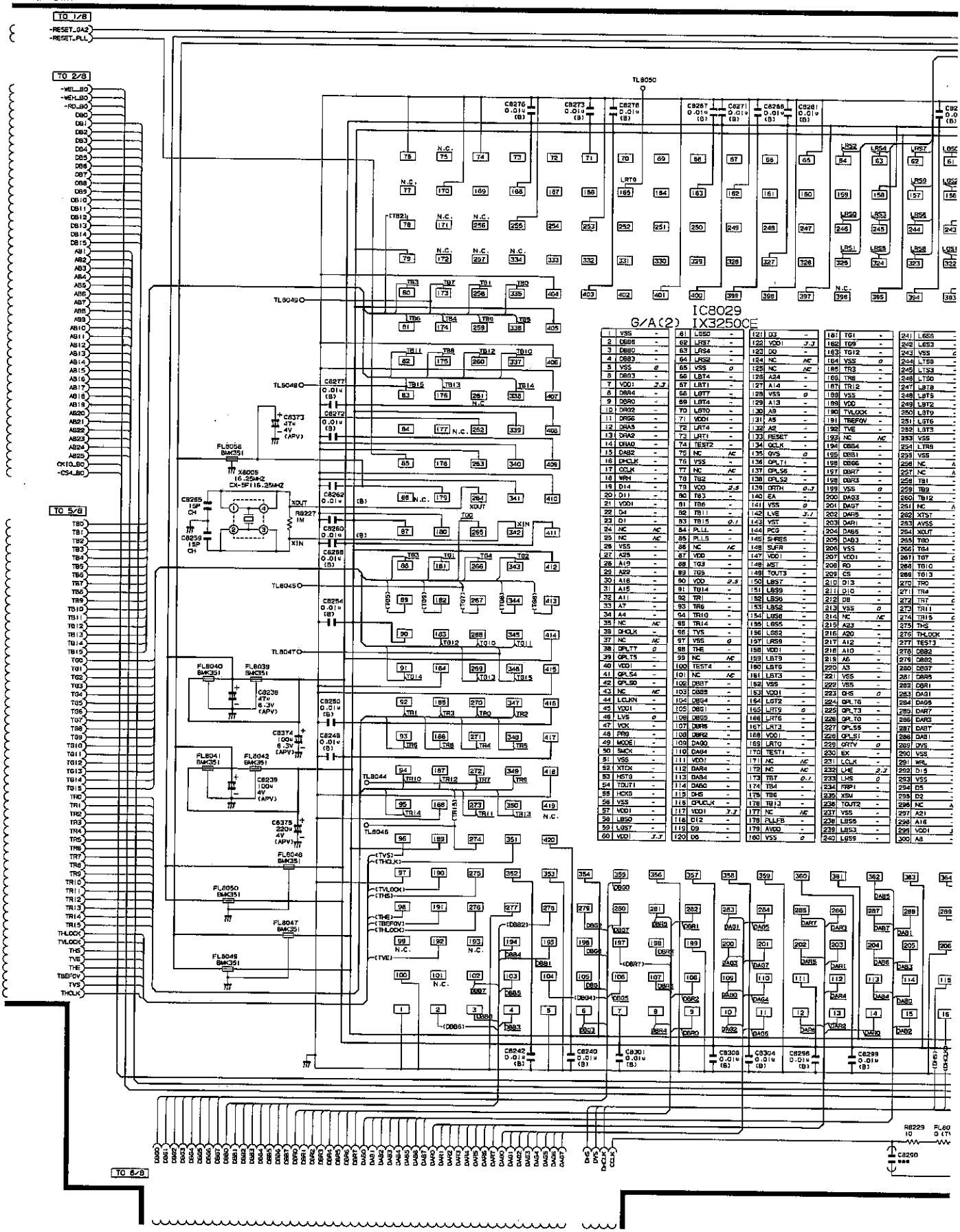
■ PC I/F UNIT-4/8 / PC-I/F-EINHEIT-4/8 PC I/F装置-4/8

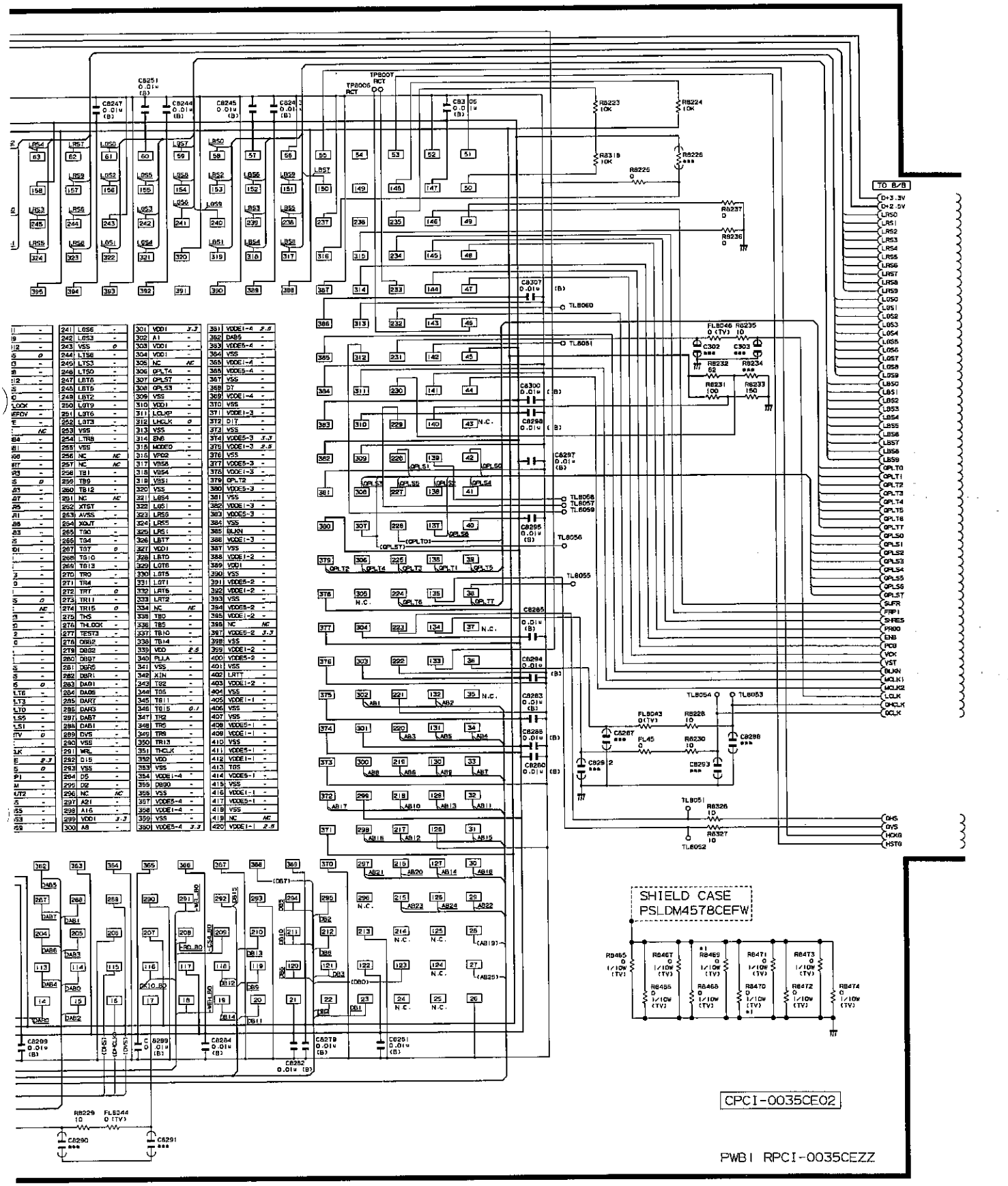




10	11	12	13	14	15	16	17	18	19

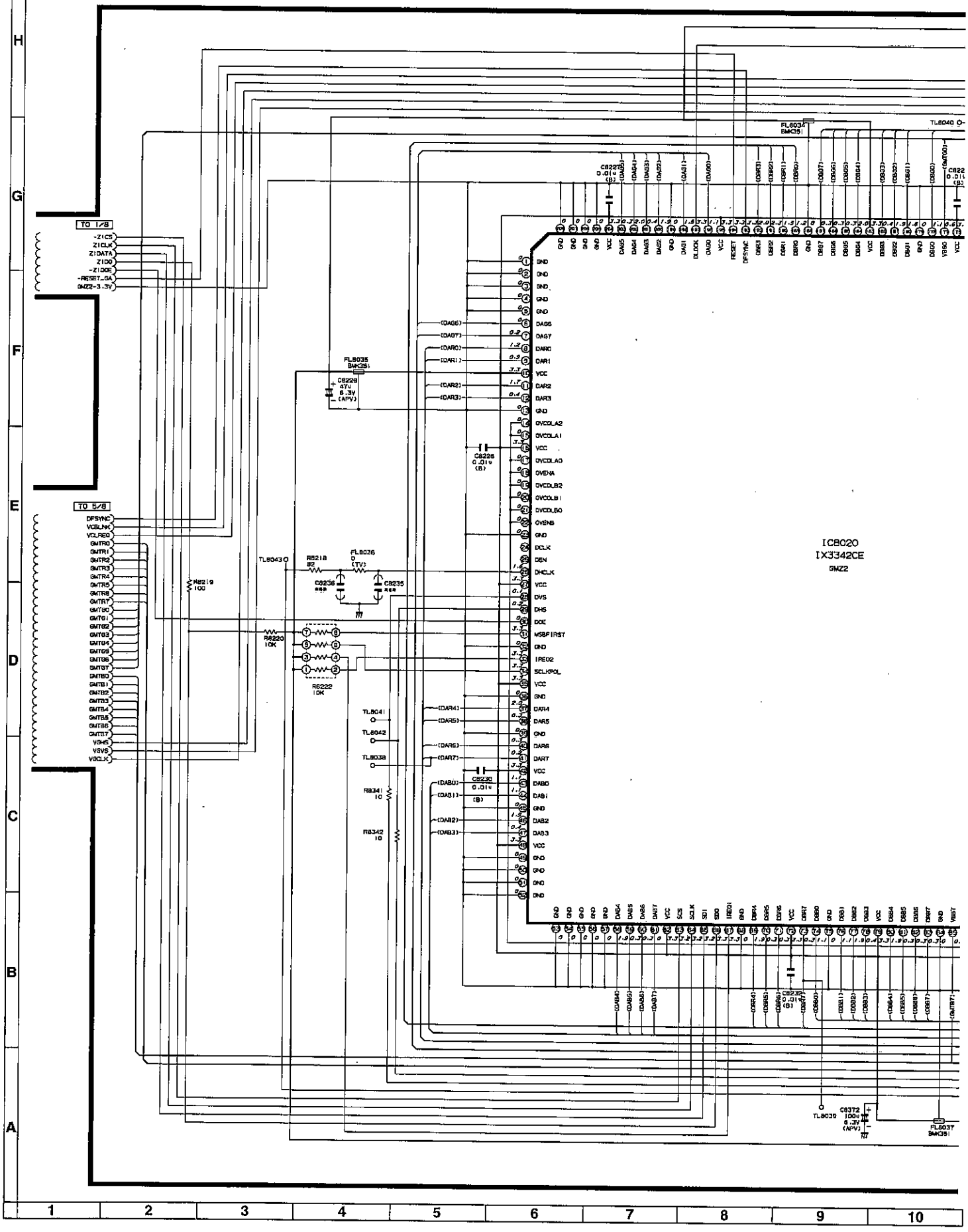
■ PC I/F UNIT-5/8 / PC-I/F-EINHEIT-5/8 PC I/F装置-5/8

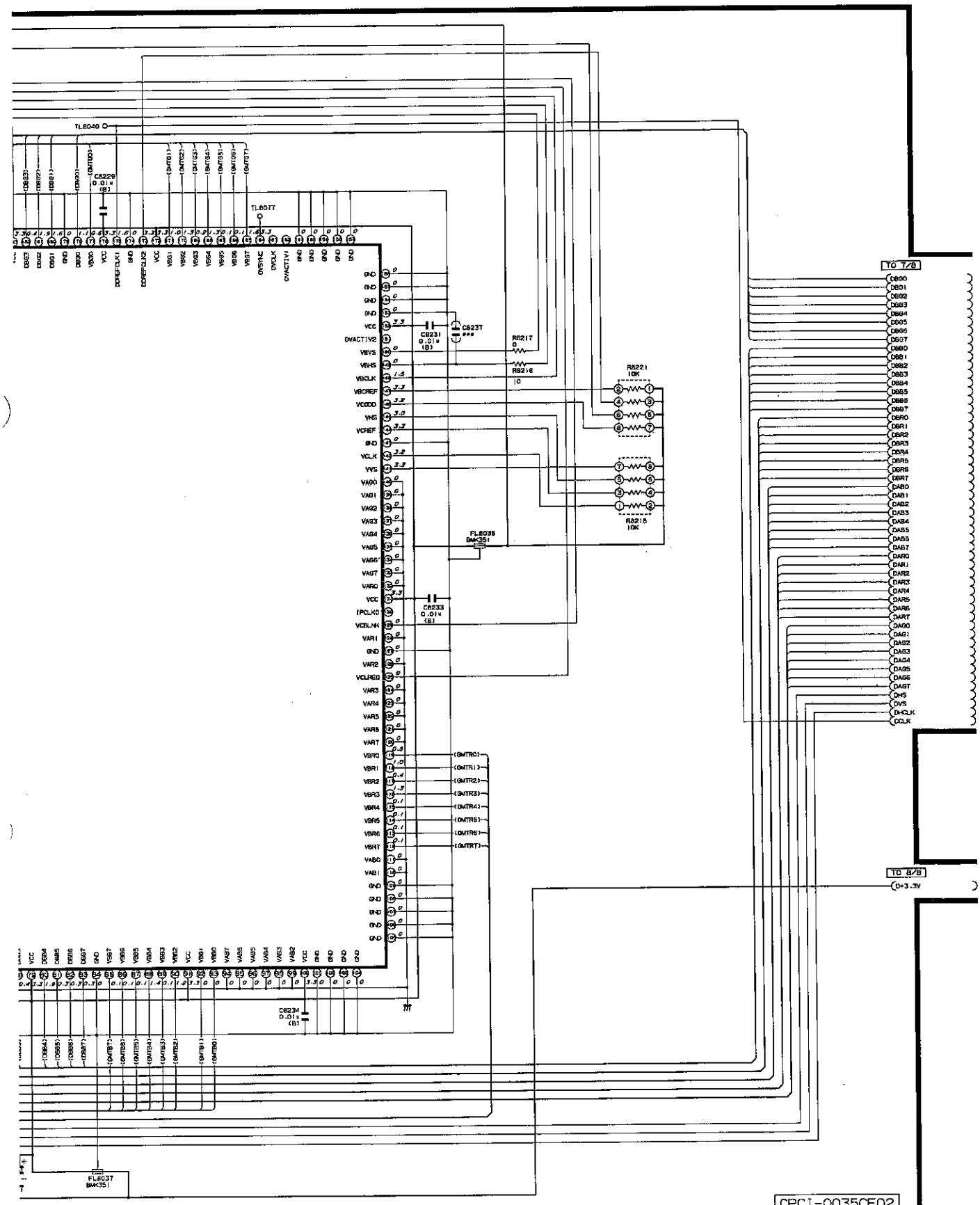




10	11	12	13	14	15	16	17	18	19

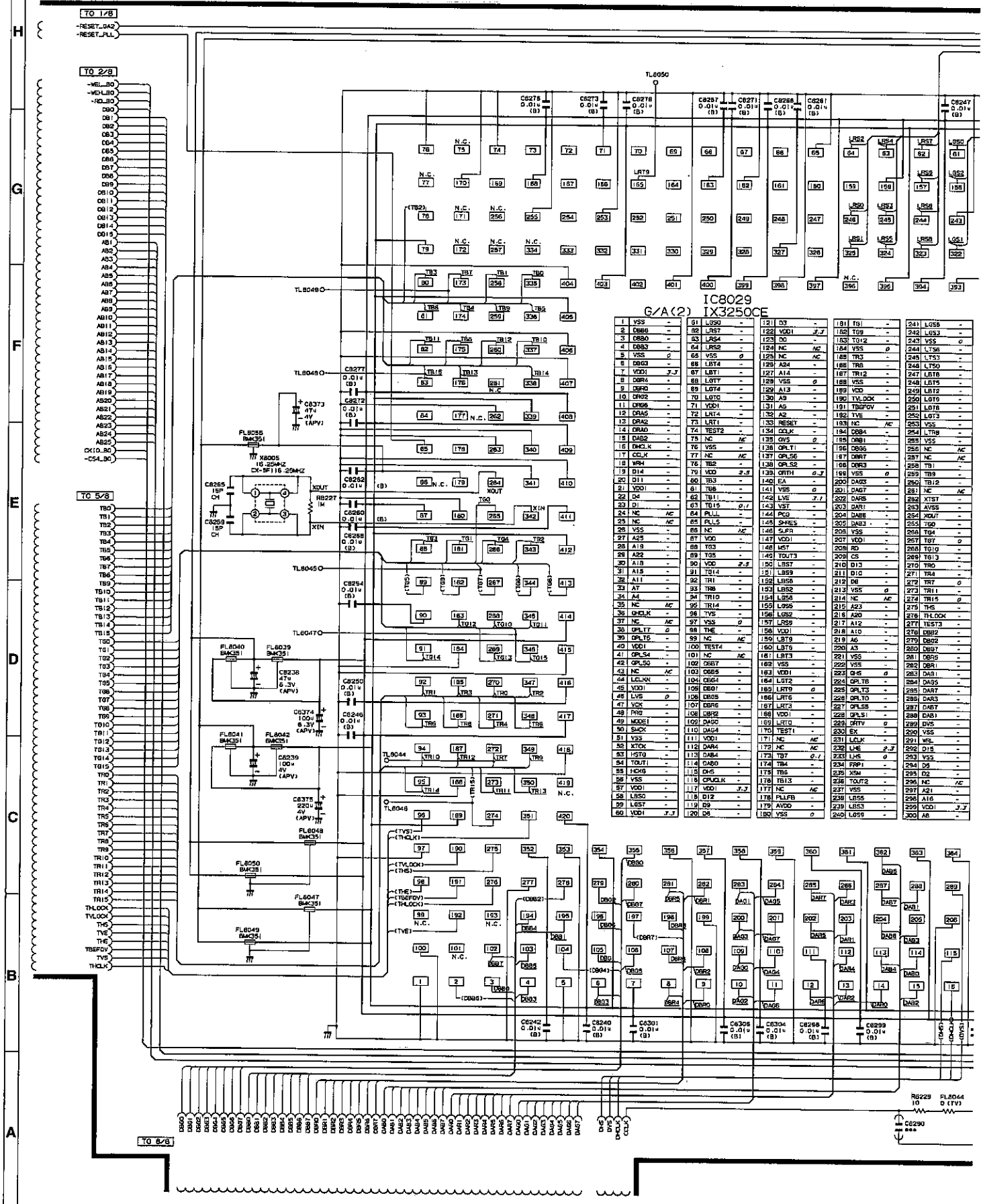
■ PC I/F UNIT-6/8 / PC-I/F-EINHEIT-6/8 PC I/F装置-6/8

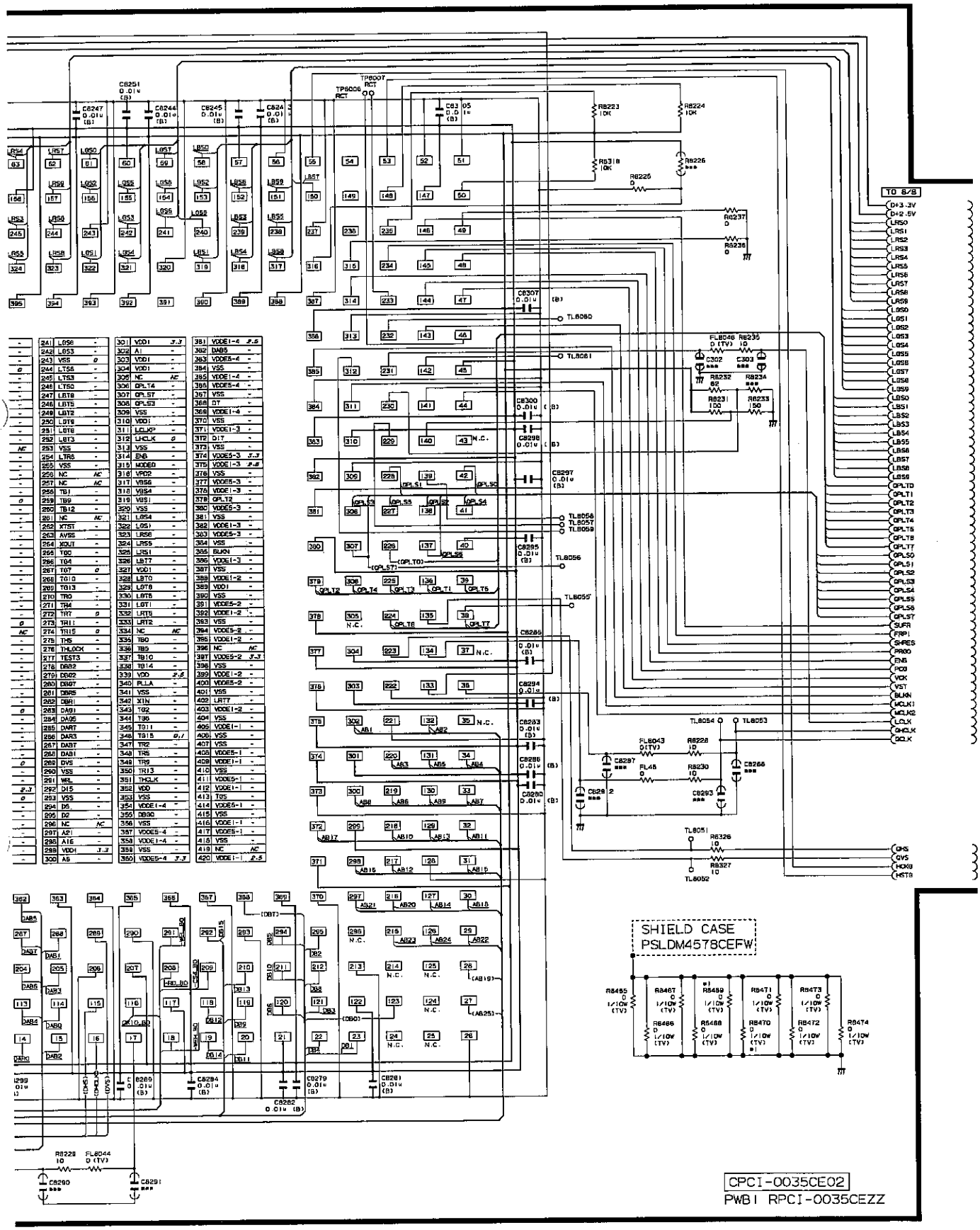




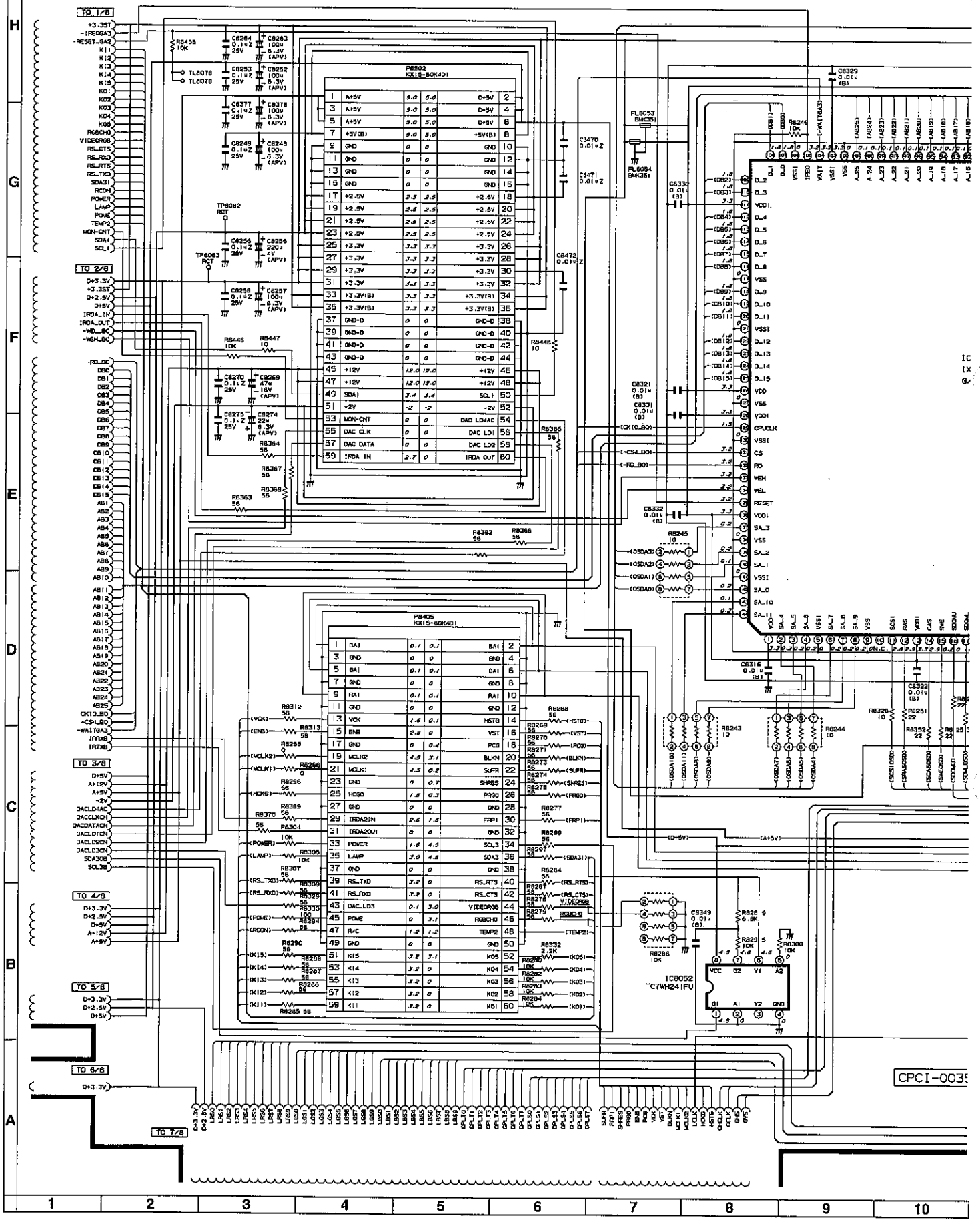
10	11	12	13	14	15	16	17	18	19

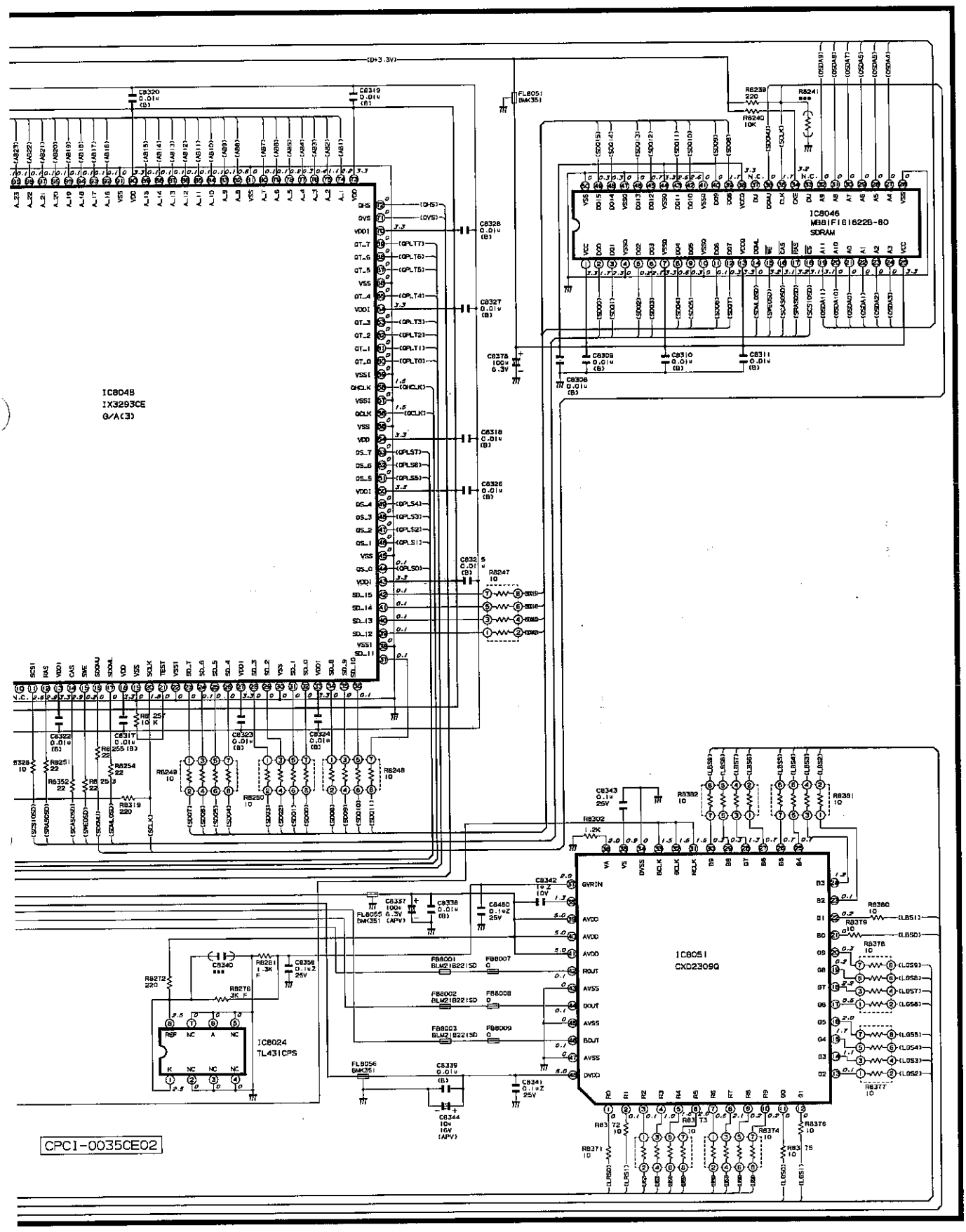
■ PC I/F UNIT-7/8 / PC-I/F-EINHEIT-7/8 PC I/F装置-7/8




SHIELD CASE
PSLDM4578CEFW
CPCI-0035CE02
PWBI RPCI-0035CEZZ

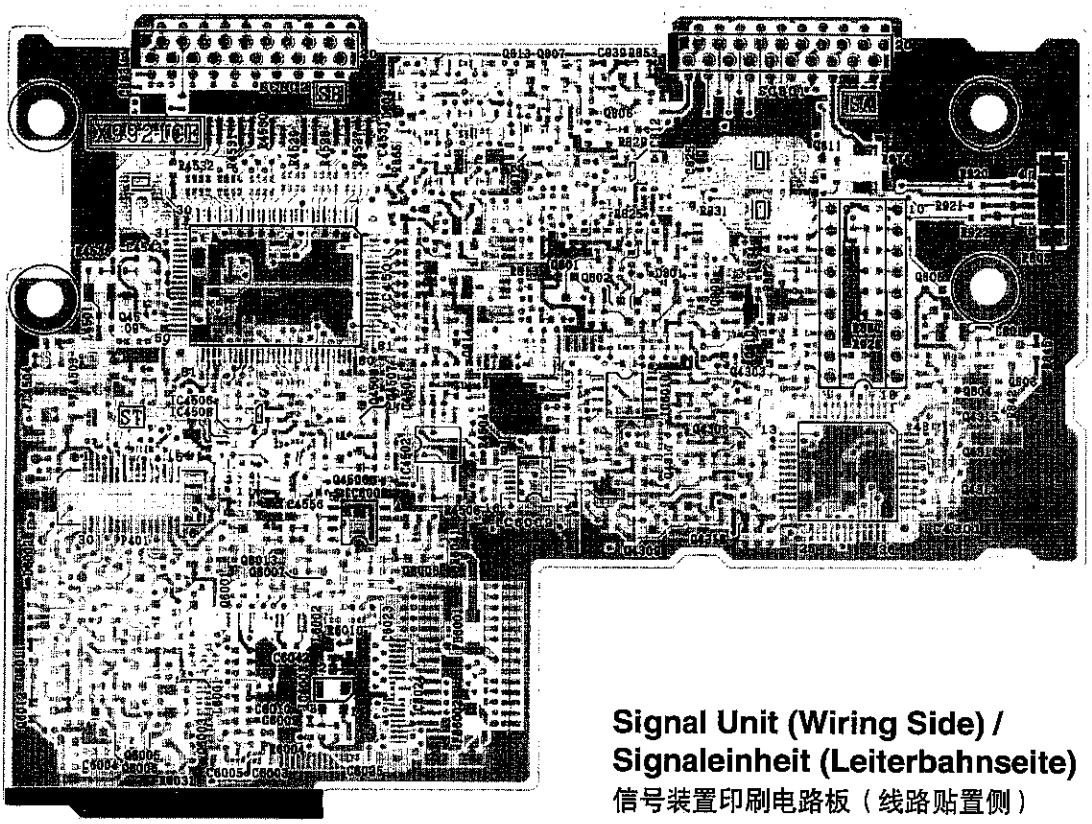
■ PC I/F UNIT-8/8 / PC-I/F-EINHEIT-8/8 PC I/F装置-8/8



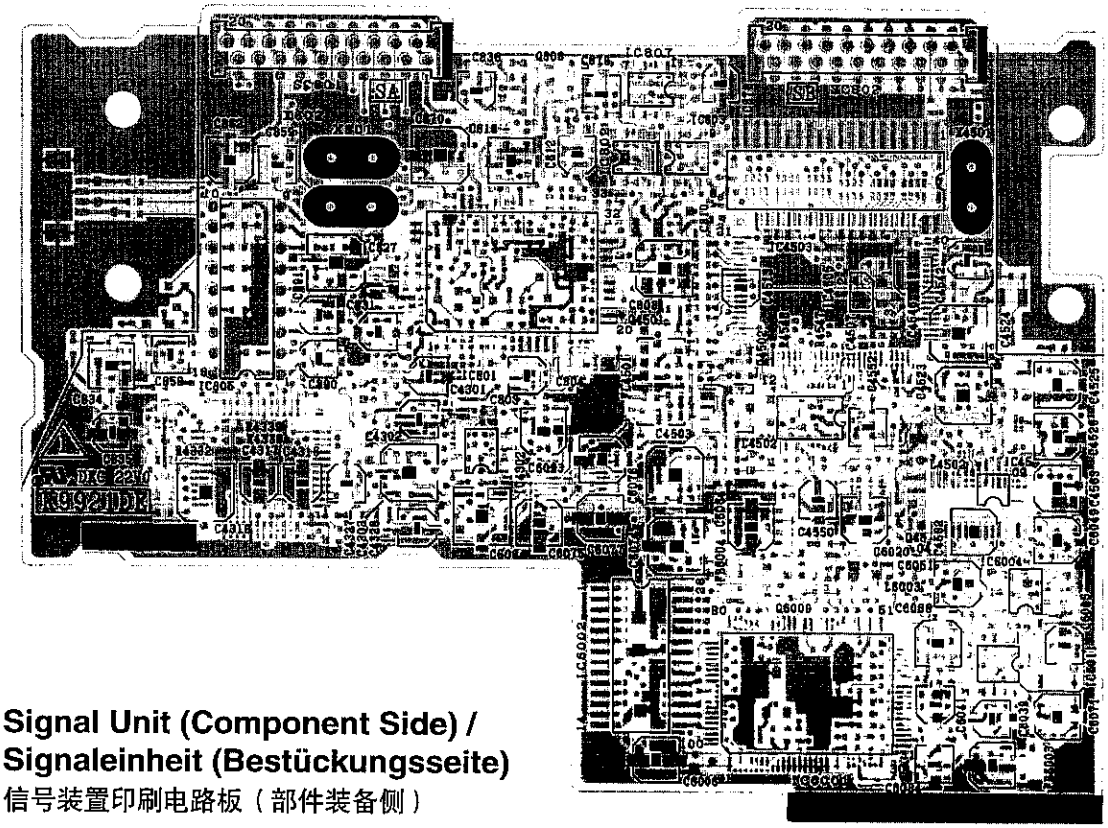


10	11	12	13	14	15	16	17	18	19

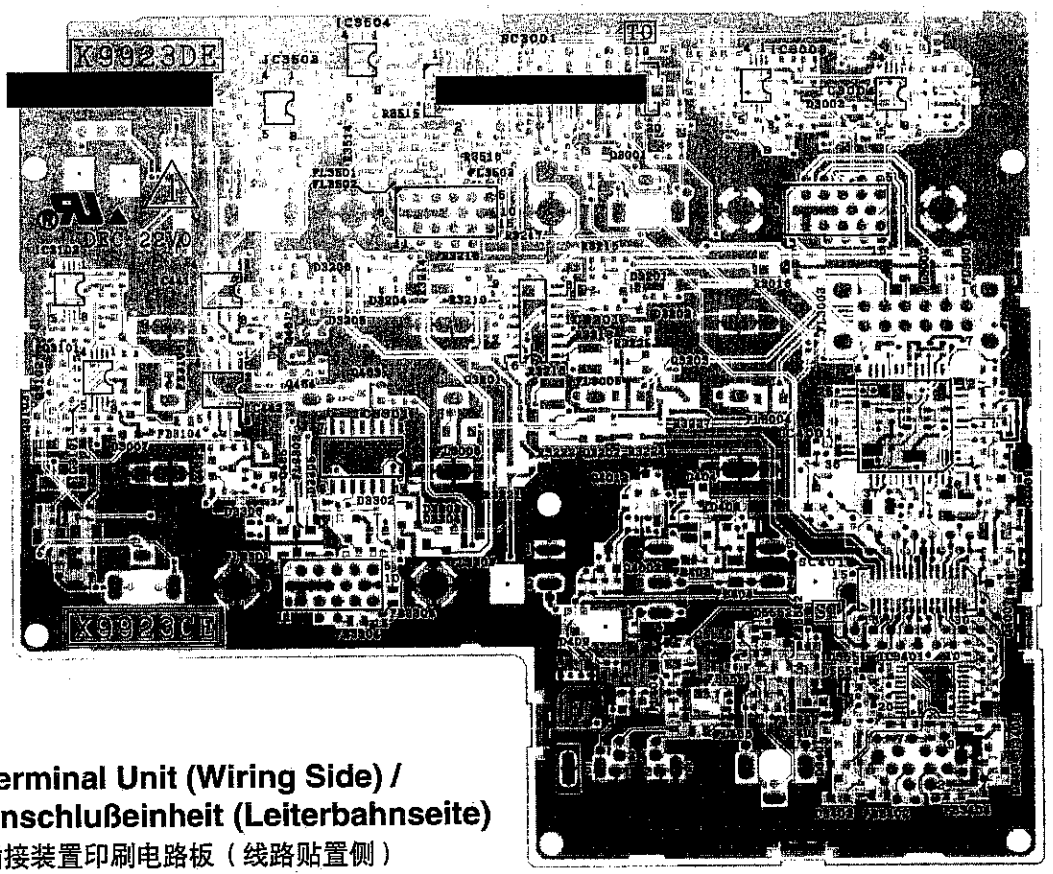
PRINTED WIRING BOARD ASSEMBLIES / LEITERPLATTENINHEITIN 印刷电路板组件



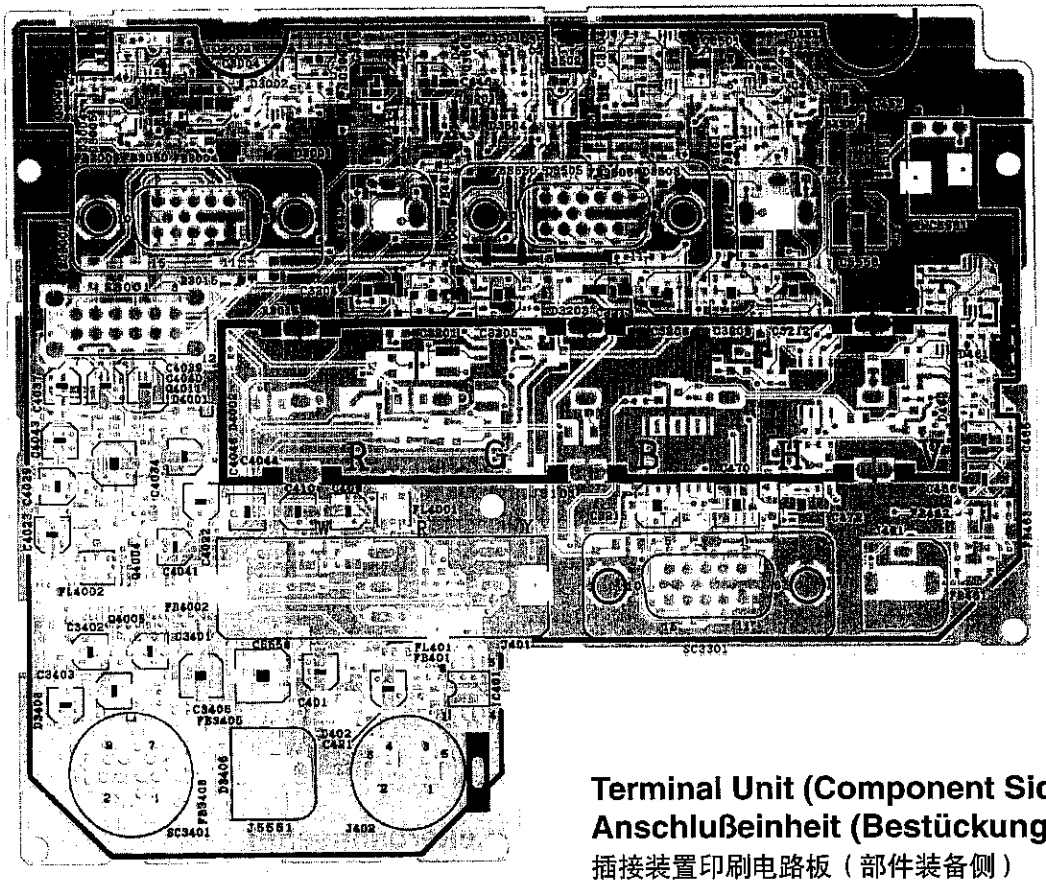
Signal Unit (Wiring Side) / Signaleinheit (Leiterbahnseite)
信号装置印刷电路板（线路贴置侧）



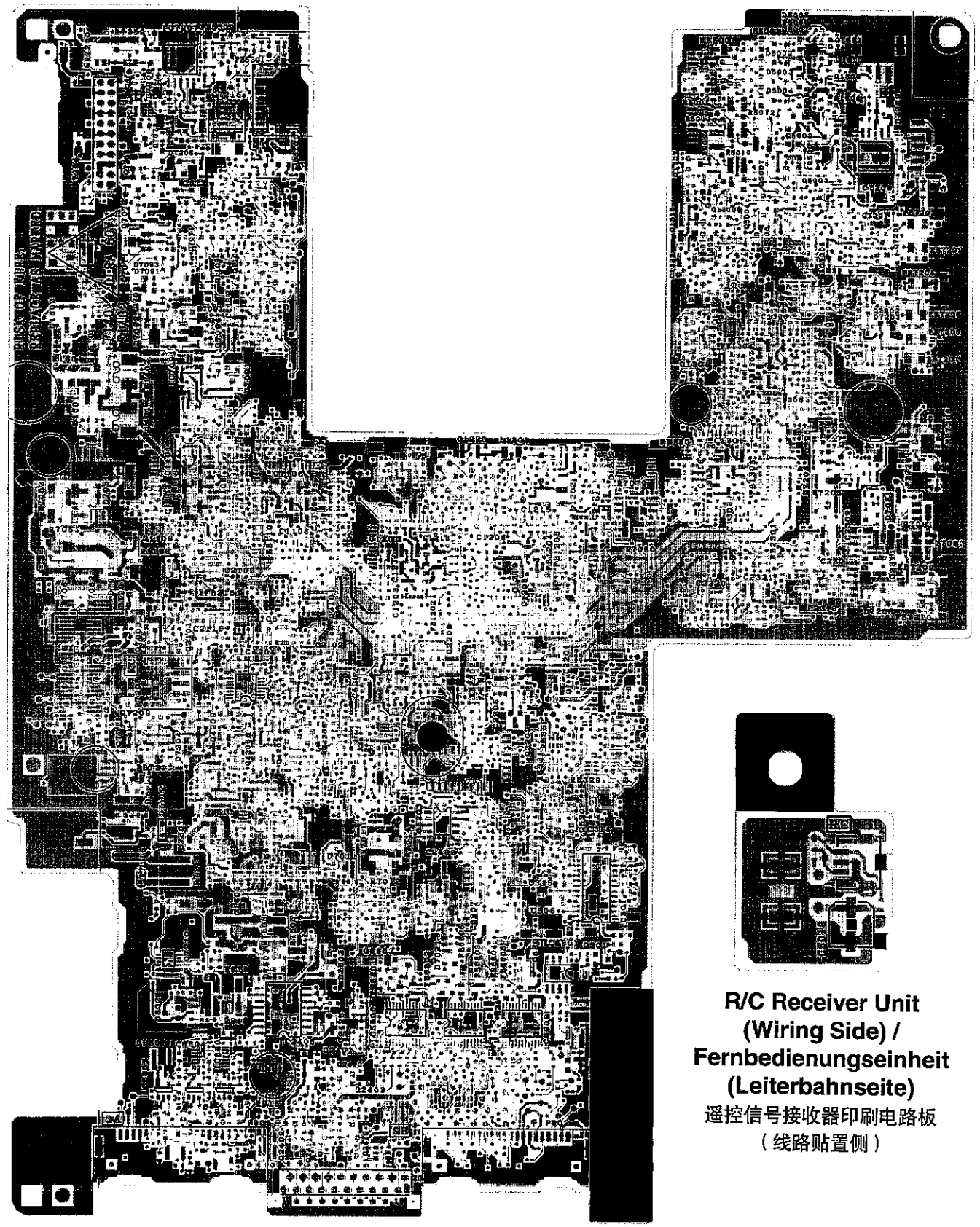
Signal Unit (Component Side) / Signaleinheit (Bestückungsseite)
信号装置印刷电路板（部件装备侧）



Terminal Unit (Wiring Side) /
Anschlußeinheit (Leiterbahnseite)
插接装置印刷电路板（线路贴置侧）

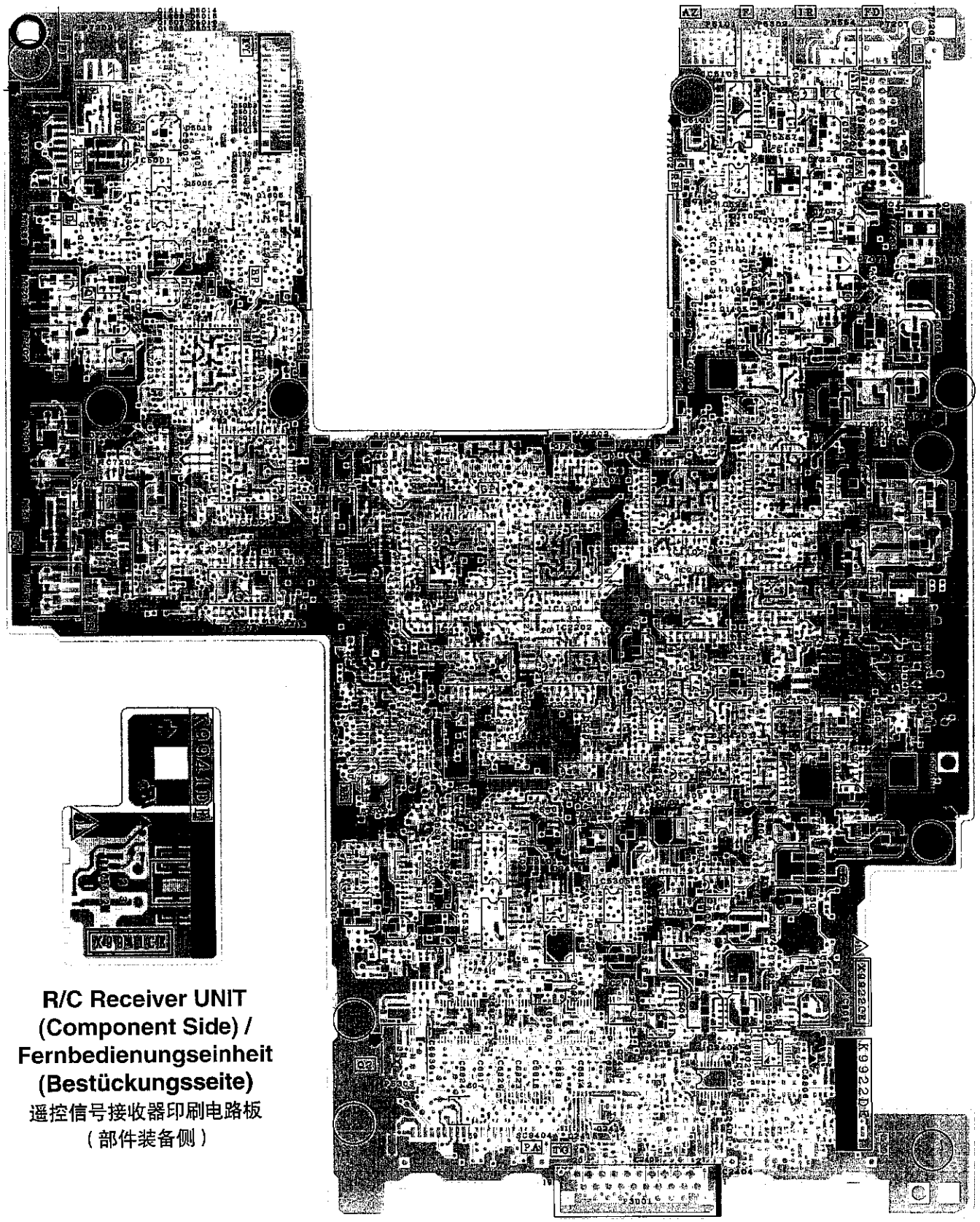


Terminal Unit (Component Side) /
Anschlußeinheit (Bestückungsseite)
插接装置印刷电路板（部件装备侧）



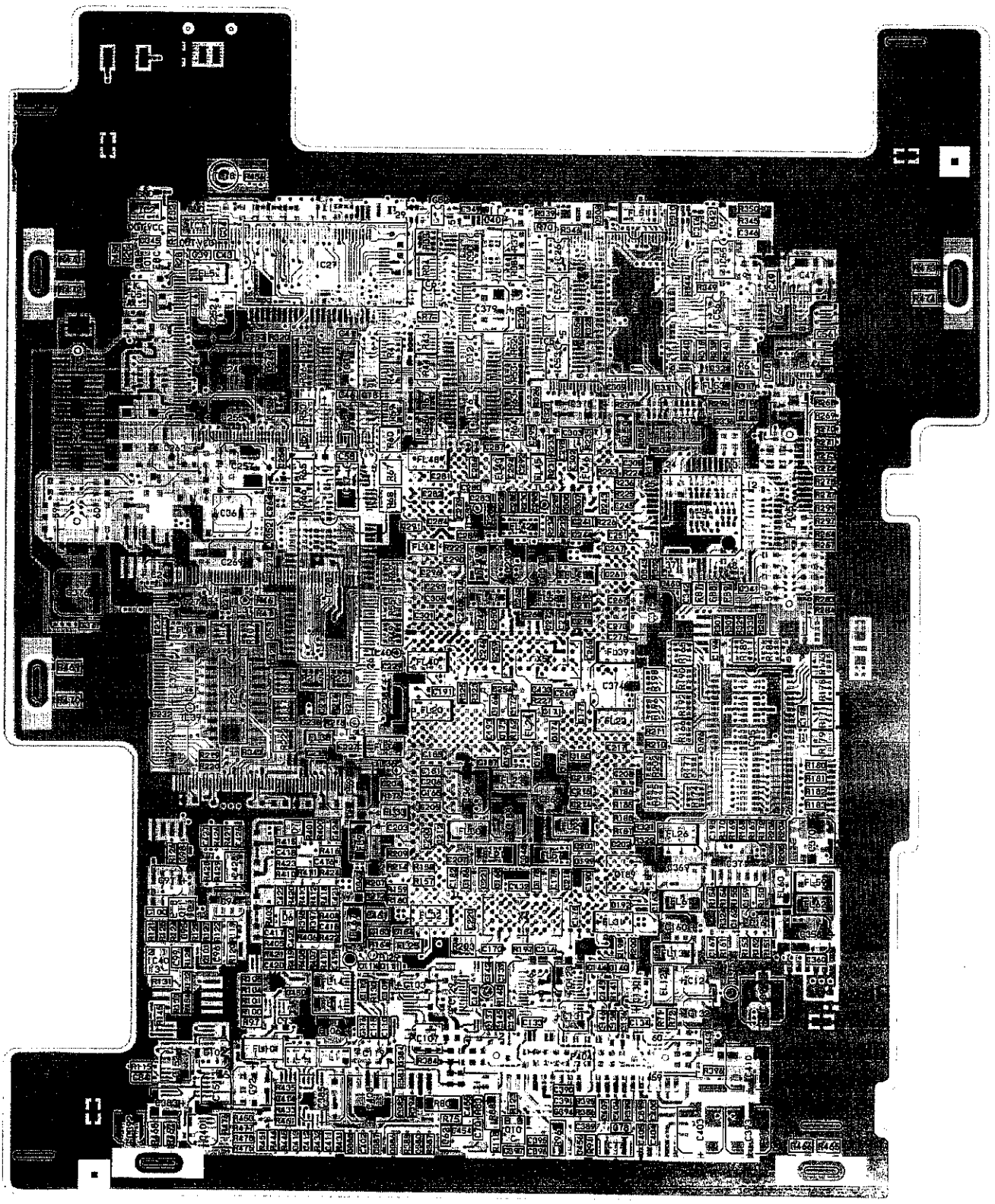
Output Unit (Wiring Side) / Ausgabeeinheit (Leiterbahnseite)
输出装置印刷电路板（线路贴置侧）

R/C Receiver Unit (Wiring Side) / Fernbedienungseinheit (Leiterbahnseite)
遥控信号接收器印刷电路板
（线路贴置侧）



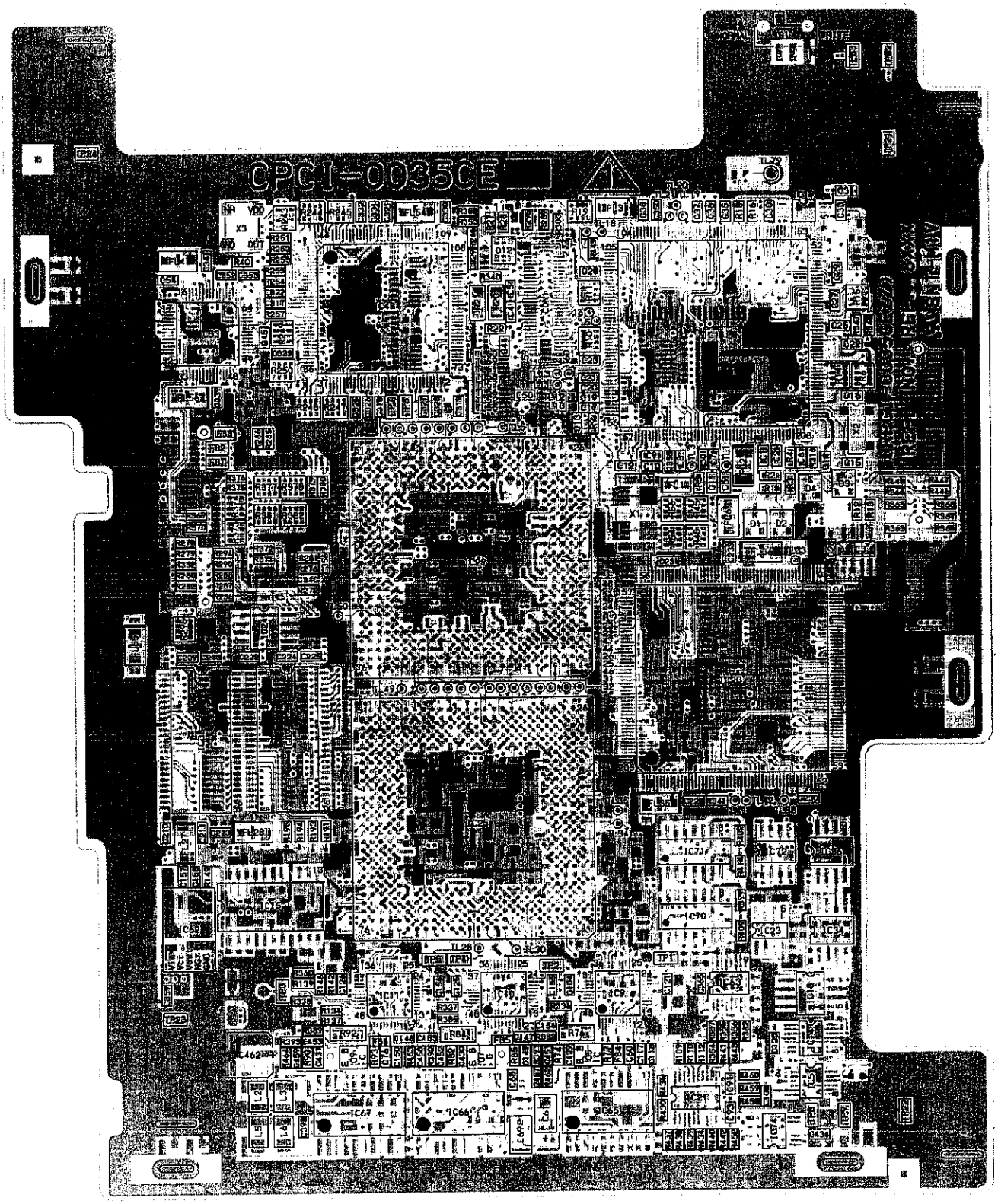
R/C Receiver UNIT (Component Side) / Fernbedienungseinheit (Bestückungsseite)
遥控信号接收器印刷电路板（部件装备侧）

Output Unit (Component Side) / Ausgabeeinheit (Bestückungsseite)
输出装置印刷电路板（部件装备侧）



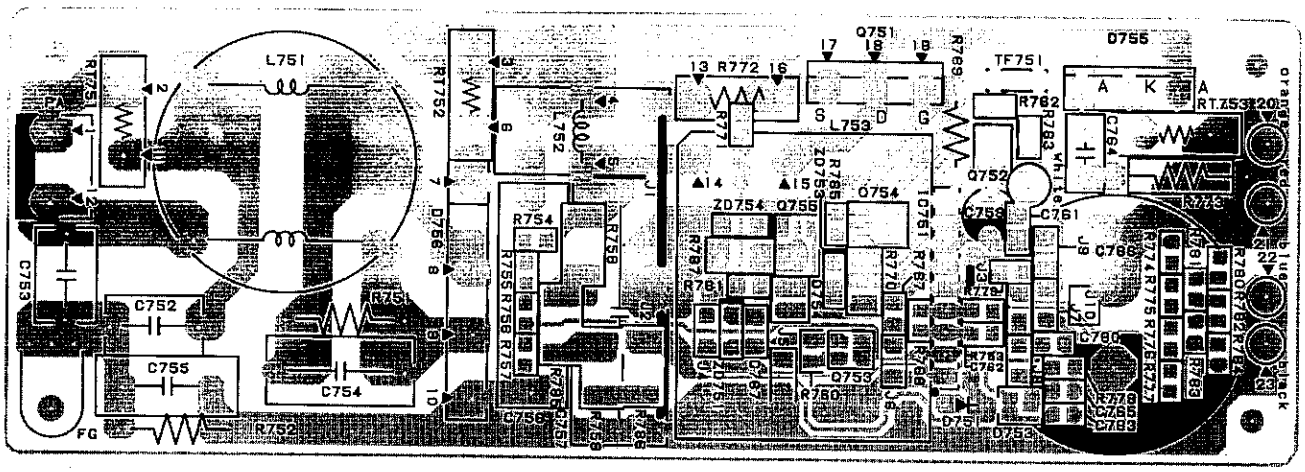
PC I/F Unit (Wiring Side) / PC-I/F-Einheit (Leiterbahnseite)

PC I/F装置印刷电路板（线路贴置侧）



PC I/F Unit (Component Side) / PC-I/F-Einheit (Bestückungsseite)

PC I/F装置印刷电路板（部件装备侧）


L751
RT752
L752
Q751
R772
TF751
D755
R762
L753
Q752
C764
C761
C765
C760
R754
R758
C752
C755
C754
R752
C753
D756
R771
R787
R761
R770
Q754
Q755
Q753
D751
D753
C758
C759
R780
R779
C766
C763
R783
R784
R785
R786
R788
R789
R790
R791
R792
R793
R794
R795
R796
R797
R798
R799
R7B0
R7B1
R7B2
R7B3
R7B4
R7B5
R7B6
R7B7
R7B8
R7B9
R7C0
R7C1
R7C2
R7C3
R7C4
R7C5
R7C6
R7C7
R7C8
R7C9
R7D0
R7D1
R7D2
R7D3
R7D4
R7D5
R7D6
R7D7
R7D8
R7D9
R7E0
R7E1
R7E2
R7E3
R7E4
R7E5
R7E6
R7E7
R7E8
R7E9
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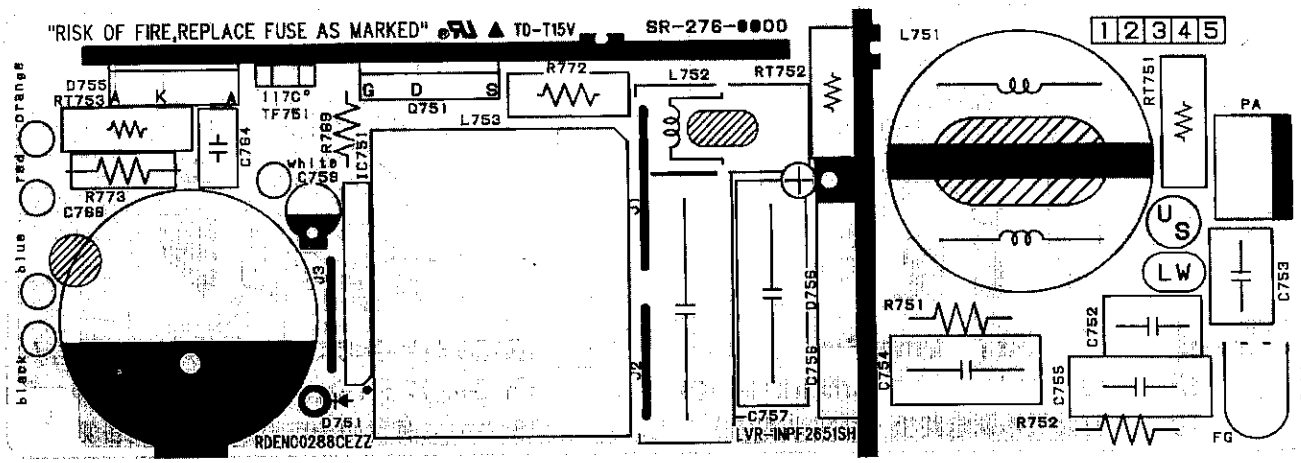
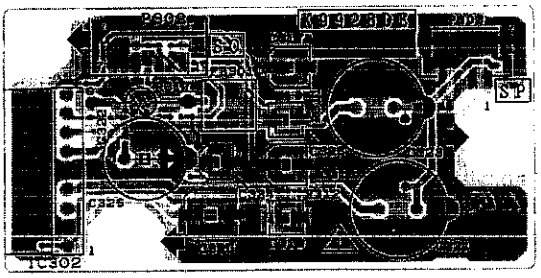
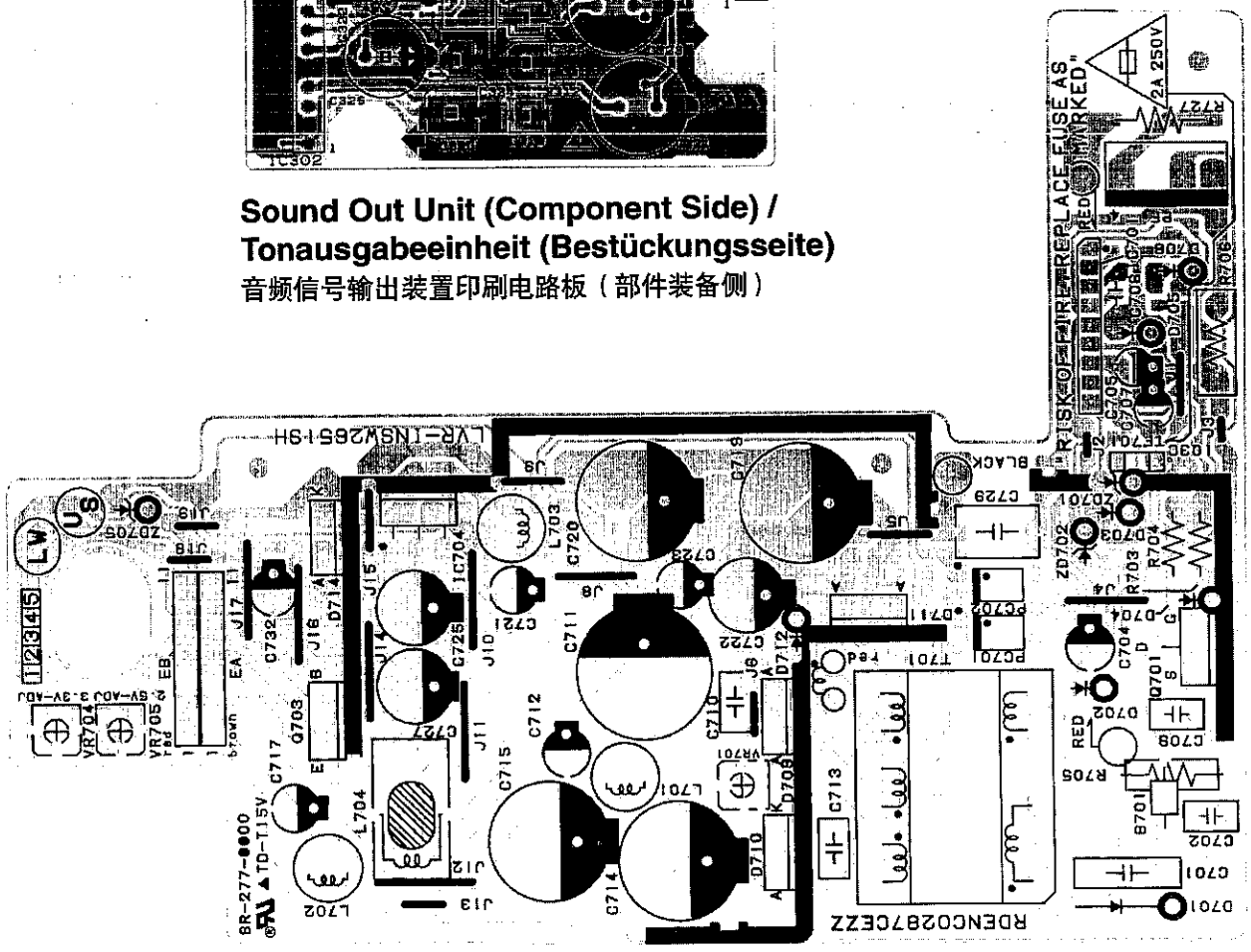


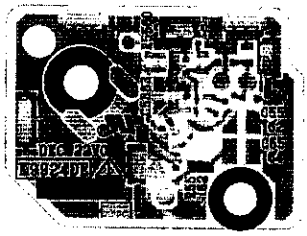
Filter Unit (Component Side) / Filterinheit (Bestückungsseite)
滤波器印刷电路板（部件装备侧）



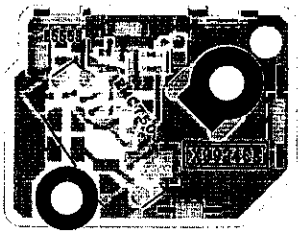
Sound Out Unit (Component Side) /
Tonausgabeeinheit (Bestückungsseite)
音频信号输出装置印刷电路板（部件装备侧）



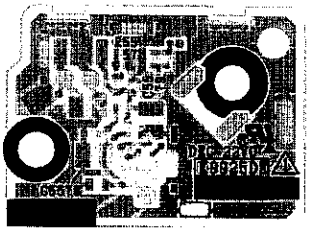
Power Unit (Component Side) / Netzeinheit (Bestückungsseite)
电源装置印刷电路板（部件装备侧）



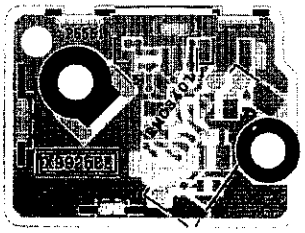
IR-DA(1) Unit (Wiring Side) /
IR-DA(1)-Einheit (Leiterbahnseite)
IR-DA(1)装置印刷电路板（线路贴置侧）



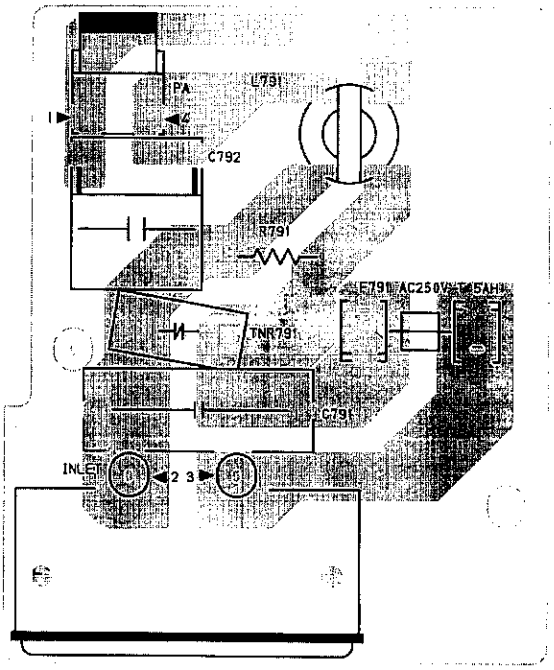
IR-DA(1) Unit (Component Side) /
IR-DA(1)-Einheit (Bestückungsseite)
IR-DA(1)装置印刷电路板（部件装备侧）



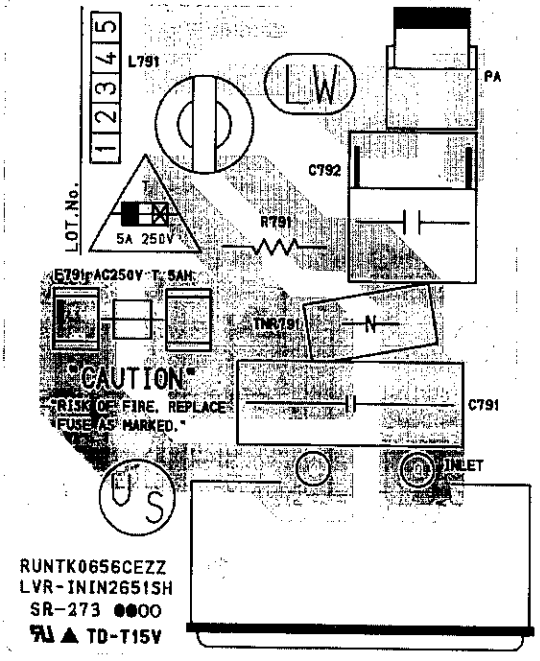
IR-DA(2) Unit (Wiring Side) /
IR-DA(2)-Einheit (Leiterbahnseite)
IR-DA(2)装置印刷电路板（线路贴置侧）



IR-DA(2) Unit (Component Side) /
IR-DA(2)-Einheit (Bestückungsseite)
IR-DA(2)装置印刷电路板（部件装备侧）



Inlet Unit (Wiring Side) /
Eingangseinheit (Leiterbahnseite)
输入装置印刷电路板（线路贴置侧）



Inlet Unit (Component Side) /
Eingangseinheit (Bestückungsseite)
输入装置印刷电路板（部件装备侧）

PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual: electrical components having such features are identified by "⚠" in the Replacement Parts Lists.
The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER	2. REF. NO.
3. PART NO.	4. DESCRIPTION
5. CODE	6. QUANTITY

MARK ★: SPARE PARTS-DELIVERY SECTION

ERSATZTEILLISTE

AUSTAUSCH VON TEILEN

Ersatzteile, die besondere Sicherheitseigenschften haben, sind in dieser Anleitung markiert. Elektrische Komponenten mit solchen Eigenshaften sind in den Ersatzteil durch "⚠" gekenn-zeichnet.
Der Gebrauch von Ersatzteilen, die nicht deselben Sicherheitseigenschaften haben wie die vom Hersteller empfohlenen ud in der Bedienungsanleitung angegebenen, können zur Ursache von Blitzeinschlägen, Bränden und anderen Gefahren werden.

"WIE MAN ERSATSTEILE BESTELLT"

Damit Ihre Bestellung promt und korrekt ausgeführt wird, geben Sie bitte folgende Informationen.

1. MODELL NR.	2. REF. NR.
3. ERSATZTEIL NR.	4. BESCHREIBUNG
5. KODE	6. QUANTITÄT

MARKIERUNG ★: ERSATZTEILE-LIEFERUNG

更换零件表

更换零件

本维修手册对具有特别安全要求的零件均用标记加以识别：
在此更换零件表中，具有特别安全要求的电路元件均用 ⚠ 标记，以便注意识别。更换零件时，为了用户的安全以及液晶投影机原有的工作性能，务请使用夏普规定零件。否则，可能有导致触电、火灾或其他不测事故发生的可能。

更换零件的订货方法

为了能迅速而确实地接受订货、以及正确无误地按时交货，在订货时请将下列各项明确告知。

1. 型号	2. 参考编号
3. 零件编号	4. 零件名称
5. 代号	6. 数量

附★记号为备用部件的交货部门

Ref. No.	Part No.	★	Description	Code

LCD PANELS

NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

	RLCDP0082CEZZ	J	LCD Module Unit, Red	DK
	RLCDP0083CEZZ	J	LCD Module Unit, Green	DK
	RLCDP0084CEZZ	J	LCD Module Unit, Blue	DK

PRINTED WIRING BOARD ASSEMBLIES
(NOT REPLACEMENT ITEM)

	DUNTK9921DE02	–	Signal Unit	—
	DUNTK9922DE02	–	Output Unit	—
	DUNTK9923DE02	–	Terminal Unit	—
	DUNTK9924DE02	–	IR-DA(1) Unit	—
	DUNTK9925DE02	–	IR-DA(2) Unit	—
	DUNTK9928DE02	–	Sound Out Unit	—
	DUNTK9941DE02	–	R/C Receiver Unit	—
	RUNTK0656CEZZ	–	Inlet Unit	—
	RDENC0287CEZZ	–	Power Unit	—
	RDENC0288CEZZ	–	Filter Unit	—
	CPCi-0035CE02	–	PC I/F Unit	—
	RDENC0286CEZZ	J	Ballast Unit (Unit Replacement Item)	CE

DUNTK9921DE02
SIGNAL UNIT

INTEGRATED CIRCUITS

IC801	VHiTDA8854H-2	J	TDA8854H/N2	BD
IC802	VHiTHC4538T-1	J	TC74HC4538AFT	AL
IC803	VHiTHC4538T-1	J	TC74HC4538AFT	AL
IC805	VHiTDA4565/-1	J	TDA4565/V6	AN
IC807	VHiNJM2060V-1	J	NJM2060V	AF
IC4301	VHiCXA1839Q-1	J	CXA1839	AZ
IC4302	VHiTHC4538T-1	J	TC74HC4538AFT	AL
IC4501	VHiPD64081B-1	J	UPD64081BGF3BA	BD
IC4502	VHiMC14577F-1	J	MC14577BF	AG
IC4503	RH-iX3084CEZZ	J	HY514264BJC-50	AS
IC4505	VHiPST600iM-1	J	IC-PST600iMT	AE
IC4506	VHiT7SET08U-1	J	TC7SET08FU	AE
IC4507	VHiM40C568H-1	J	MB40C568HPFV-G	AQ
IC4508	VHiTC4S66F/-1	J	TC4S66F	AD
IC4509	VHiNJM2233V-1	J	NJM2233V	AE
IC6001	VHiTC90A11F-1	J	TC90A11F	AZ
IC6002	VHiM518221S-1	J	MSM518221-30JS	BA
IC6003	VHiPST600DM-1	J	IC-PST600DMT	AE
IC6004	VHiNJM2283V-1	J	NJM2283V	AG
IC6008	VHiBA7046F/-1	J	BA7046F	AF
IC6009	VHiNJM2283V-1	J	NJM2283V	AG
IC6010	VHiNJM2234M-1	J	NJM2234M	AF
IC6011	VHiNJM2240M-1	J	NJM2240M	AG

TRANSISTORS

Q801	VS2PD601AR/-1	J	2PD601AR	AB
Q802	VS2PB709AR/-1	J	2PB709AR	AB
Q803	VS2PD601AR/-1	J	2PD601AR	AB
Q804	VS2PB709AR/-1	J	2PB709AR	AB
Q805	VSDTC144EK/-1	J	DTC144EK	AB
Q806	VS2PD601AR/-1	J	2PD601AR	AB
Q807	VS2PD601AR/-1	J	2PD601AR	AB

DUNTK9921DE02
SIGNAL UNIT (Cotinued)

Ref. No.	Part No.	★	Description	Code
Q808	VS2PD601AR/-1	J	2PD601AR	AB
Q811	VSDTC144EK/-1	J	DTC144EK	AB
Q812	VS2PD601AR/-1	J	2PD601AR	AB
Q813	VS2PD601AR/-1	J	2PD601AR	AB
Q814	VS2PD601AR/-1	J	2PD601AR	AB
Q4303	VS2PD601AR/-1	J	2PD601AR	AB
Q4306	VS2PD601AR/-1	J	2PD601AR	AB
Q4309	VS2PD601AR/-1	J	2PD601AR	AB
Q4313	VS2PD601AR/-1	J	2PD601AR	AB
Q4314	VS2PD601AR/-1	J	2PD601AR	AB
Q4315	VS2PD601AR/-1	J	2PD601AR	AB
Q4317	VS2PD601AR/-1	J	2PD601AR	AB
Q4318	VS2PD601AR/-1	J	2PD601AR	AB
Q4320	VSDTC144EU/-1		DTC144EU	AB
Q4321	VSBSN20////-1	J	BSN20	AD
Q4322	VSBSN20////-1	J	BSN20	AD
Q4501	VS2PB709AR/-1	J	2PB709AR	AB
Q4502	VS2PB709AR/-1	J	2PB709AR	AB
Q4503	VS2PB709AR/-1	J	2PB709AR	AB
Q4504	VS2PB709AR/-1	J	2PB709AR	AB
Q4505	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4506	VS2PD601AR/-1	J	2PD601AR	AB
Q4507	VS2PB709AR/-1	J	2PB709AR	AB
Q4508	VS2PD601AR/-1	J	2PD601AR	AB
Q4509	VS2PB709AR/-1	J	2PB709AR	AB
Q4510	VS2PB709AR/-1	J	2PB709AR	AB
Q4511	VS2PD601AR/-1	J	2PD601AR	AB
Q6001	VS2PD601AR/-1	J	2PD601AR	AB
Q6002	VS2PD601AR/-1	J	2PD601AR	AB
Q6003	VS2PB709AR/-1	J	2PB709AR	AB
Q6004	VS2PD601AR/-1	J	2PD601AR	AB
Q6005	VS2PB709AR/-1	J	2PB709AR	AB
Q6006	VS2PD601AR/-1	J	2PD601AR	AB
Q6007	VS2PD601AR/-1	J	2PD601AR	AB
Q6008	VS2PD601AR/-1	J	2PD601AR	AB
Q6009	VS2PD601AR/-1	J	2PD601AR	AB
Q6010	VS2PD601AR/-1	J	2PD601AR	AB
Q6011	VS2PD601AR/-1	J	2PD601AR	AB
Q6012	VS2PD601AR/-1	J	2PD601AR	AB
Q6013	VS2PD601AR/-1	J	2PD601AR	AB

DIODES

D801	VHDDAN202K/-1	J	Diode	AB
D804	VHDMA152WA/-1	J	Diode	AA
D6001	RH-EX0226CEZZ	J	Zener Diode	AB
D6002	RH-EX0226CEZZ	J	Zener Diode	AB

PACKAGED CIRCUITS

X801	RCRSB0009PEZZ	J	Crystal	AL
X802	RCRSB0008PEZZ	J	Crystal	AH
X4501	RCRSB0258CEZZ	J	Crystal	AG

FILTERS AND COILS

FL4501	RCiLF0306CEZZ	J	Filter	AH
FL4502	RCiLV0108GEZZ	J	Filter	AG
FL4503	RFiLN0097GEZZ	J	Filter	AF
FL4504	RFiLN0097GEZZ	J	Filter	AF
L801	VP-1M330J4R2N	J	Peaking 33µH	AC
L4501	VP-1M4R7J1R2N	J	Peaking 4.7µH	AB
L4502	VP-1M220J2R9N	J	Peaking 22µH	AC
L6001	VP-1M270J3R8N	J	Peaking 27µH	AC
L6002	VP-1M330J4R2N	J	Peaking 33µH	AC
L6003	VP-1M220J2R9N	J	Peaking 22µH	AC

CAPACITORS

C801	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C802	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C803	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C804	VCFYEC1CM223J	J	0.022	16V	Mylar	AC
C805	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C806	VCFYEC1CM274J	J	0.27	16V	Mylar	AE
C807	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C808	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C809	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C810	VCFYEC1CM274J	J	0.27	16V	Mylar	AE
C811	VCKYCY1CF224Z	J	0.22	16V	Ceramic	AA
C812	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C813	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C814	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C815	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C816	VCE9PF1CW106M	J	10	16V	Elect.(N.P)	AC
C817	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C818	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C819	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C820	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C821	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C823	VCCCCY1HH180J	J	18p	50V	Ceramic	AA
C824	VCCCCY1HH180J	J	18p	50V	Ceramic	AA
C825	VCFRED1HM332J	J	3300p	50V	Mylar	AD
C826	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C827	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C828	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C829	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C830	VCFRED1HM222J	J	2200p	50V	Mylar	AC
C831	VCEAPF1HW105M	J	1.0	50V	Electrolytic	AB
C832	VCFRED1HM472J	J	4700p	50V	Mylar	AD
C834	VCE9PF1CW106M	J	10	16V	Elect.(N.P)	AC
C835	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C836	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C837	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C841	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C842	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C843	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C844	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C845	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C846	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C847	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C855	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C856	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C858	VCE9PF1HW105M	J	1.0	50V	Elect.(N.P)	AC
C859	VCE9PF1HW105M	J	1.0	50V	Elect.(N.P)	AC
C860	VCCCCY1HH470J	J	47p	50V	Ceramic	AA
C862	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C863	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C864	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C865	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C866	VCCCCY1HH680J	J	68p	50V	Ceramic	AA
C867	VCCCCY1HH121J	J	120p	50V	Ceramic	AA
C868	VCCCCY1HH121J	J	120p	50V	Ceramic	AA
C870	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C875	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C877	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C878	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C879	VCE9PF1HW105M	J	1.0	50V	Elect.(N.P)	AC
C880	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C883	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C890	VCEAPF1EW475M	J	4.7	25V	Electrolytic	AB
C891	VCEAPF1EW475M	J	4.7	25V	Electrolytic	AB
C922	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C937	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C938	VCCCCY1HH390J	J	39p	50V	Ceramic	AA
C939	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C940	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C976	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4301	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4302	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4303	VCEAPF1HW106M	J	10	50V	Electrolytic	AB
C4305	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4306	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4307	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4308	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4309	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4310	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4311	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4312	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4313	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA

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Ref. No.	Part No.	★			Description	Code
C4314	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4315	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4316	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4317	VCEAPF1HW474M	J	0.47	50V	Electrolytic	AB
C4318	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C4319	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4320	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4321	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4322	VCCCCY1HH561J	J	560p	50V	Ceramic	AB
C4323	VCCCCY1EH821J	J	820p	25V	Ceramic	AB
C4327	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C4328	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4501	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4502	VCCCCY1HH270J	J	27p	50V	Ceramic	AA
C4503	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C4504	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4505	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4507	VCCCCY1HH120J	J	12p	50V	Ceramic	AA
C4508	VCCCCY1HH270J	J	27p	50V	Ceramic	AA
C4509	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C4510	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4511	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4512	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4513	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4515	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4516	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4517	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4518	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4519	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4520	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4521	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4522	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4523	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C4524	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C4525	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C4526	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4527	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4528	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C4529	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4530	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4531	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4533	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4534	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4535	VCCCCY1HH220J	J	22p	50V	Ceramic	AA
C4536	VCCCCY1HH220J	J	22p	50V	Ceramic	AA
C4537	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4538	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4539	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4540	VCCCCY1HH391J	J	390p	50V	Ceramic	AA
C4541	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4542	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4543	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4545	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4546	VCEAPF1HW474M	J	0.47	50V	Electrolytic	AB
C4548	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4549	VCCCCY1HH471J	J	470p	50V	Ceramic	AA
C4550	VCEAPF1HW334M	J	0.33	50V	Electrolytic	AB
C4551	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4552	VCE9PF1HW105M	J	1.0	50V	Elect.(N.P)	AC
C4553	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4554	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C4555	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4556	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C4557	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4558	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4559	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C4560	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4561	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4562	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C4563	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C4564	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4594	RC-EZ1138CEZZ	J				AF
C4595	RC-EZ1138CEZZ	J				AF
C4596	RC-EZ0822CEZZ	J				AD
C6001	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6002	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6003	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6004	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C6005	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6006	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C6007	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C6008	VCCCCY1HH181J	J	180p	50V	Ceramic	AA
C6009	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6010	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6011	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6012	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6013	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6014	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6015	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6016	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6017	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6018	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6019	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6020	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C6021	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6022	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6023	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6024	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6025	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6026	VCKYCY1AF105Z	J	1.0	10V	Ceramic	AC
C6028	VCCCCY1HH470J	J	47p	50V	Ceramic	AA
C6029	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C6030	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C6031	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6032	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C6033	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6034	VCE9PF1HW105M	J	1.0	50V	Elect.(N.P)	AC
C6035	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C6037	VCCCCY1HH360J	J	36p	50V	Ceramic	AA
C6038	VCCCCY1HH120J	J	12p	50V	Ceramic	AA
C6039	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C6040	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6041	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C6042	VCCCCY1HH5R0C	J	5.0p	50V	Ceramic	AA
C6043	VCCCCY1HH220J	J	22p	50V	Ceramic	AA
C6044	VCCCCY1HH220J	J	22p	50V	Ceramic	AA
C6045	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6046	VCCCCY1HH391J	J	390p	50V	Ceramic	AA
C6047	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6048	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6049	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C6050	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6051	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C6052	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6064	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C6065	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C6066	VCKYCY1AF105Z	J	1.0	10V	Ceramic	AC
C6067	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C6068	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6069	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6070	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C6071	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C6072	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C6074	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C6075	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C6076	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C6077	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C6078	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6079	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6080	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6081	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6082	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6083	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6084	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6085	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C6086	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA

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Ref. No.	Part No.	★	Description			Code
C6087	VCCCCY1HH5R0C	J	5.0p	50V	Ceramic	AA
C6088	VCEAPF1HW475M	J	4.7	50V	Electrolytic	AB
C6089	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C6090	VCKYCY1HF102Z	J	1000p	50V	Ceramic	AA
C6091	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C6093	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C6094	VCE9PF1CW226M	J	22	16V	Elect.(N.P)	AD

RESISTORS

R801	VRS-CY1JF333J	J	33k	1/16W	Metal Oxide	AA
R802	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R803	VRS-CY1JF564J	J	560k	1/16W	Metal Oxide	AA
R804	VRS-CY1JF393J	J	39k	1/16W	Metal Oxide	AA
R806	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R807	VRS-CY1JF821J	J	820	1/16W	Metal Oxide	AA
R808	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R809	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R810	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R811	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R812	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R813	VRS-TX2HF4R7J	J	4.7	1/2W	Metal Oxide	AB
R815	VRS-CY1JF330J	J	33	1/16W	Metal Oxide	AA
R816	VRS-CY1JF330J	J	33	1/16W	Metal Oxide	AA
R817	VRS-CY1JF330J	J	33	1/16W	Metal Oxide	AA
R818	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R819	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R820	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R821	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R822	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R823	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R824	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R825	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R826	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R827	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R829	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R830	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R831	VRS-TX2HF4R7J	J	4.7	1/2W	Metal Oxide	AB
R832	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R833	VRS-CY1JF152J	J	1.5k	1/16W	Metal Oxide	AA
R834	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R835	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R836	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R837	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R838	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R839	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R840	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R841	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R842	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R843	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R844	VRS-CY1JF152J	J	1.5k	1/16W	Metal Oxide	AA
R845	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R846	VRS-CY1JF681J	J	680	1/16W	Metal Oxide	AA
R847	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R848	VRS-CY1JF271J	J	270	1/16W	Metal Oxide	AA
R849	VRS-TX2HF5R6J	J	5.6	1/2W	Metal Oxide	AA
R850	VRS-CY1JF273J	J	27k	1/16W	Metal Oxide	AA
R851	VRS-CY1JF273J	J	27k	1/16W	Metal Oxide	AA
R852	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R853	VRS-CY1JF331J	J	330	1/16W	Metal Oxide	AA
R854	VRS-CY1JF750J	J	75	1/16W	Metal Oxide	AA
R855	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R856	VRS-CY1JF822J	J	8.2k	1/16W	Metal Oxide	AA
R857	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R858	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R859	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R860	VRN-CY1JF133D	J	13k	1/16W	Metal Film	AB
R861	VRN-CY1JF752D	J	7.5k	1/16W	Metal Film	AA
R862	VRN-CY1JF682D	J	6.8k	1/16W	Metal Film	AB
R863	VRN-CY1JF103D	J	10k	1/16W	Metal Film	AA
R864	VRS-CY1JF182J	J	1.8k	1/16W	Metal Oxide	AA
R865	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA

Ref. No.	Part No.	★	Description			Code
R872	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R874	VRS-TX2HF5R6J	J	5.6	1/2W	Metal Oxide	AA
R876	VRS-CY1JF681J	J	680	1/16W	Metal Oxide	AA
R879	VRS-CY1JF681J	J	680	1/16W	Metal Oxide	AA
R880	VRS-CY1JF183J	J	18k	1/16W	Metal Oxide	AA
R881	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R882	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R883	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R886	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R891	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R899	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R900	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R901	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R902	VRS-CY1JF273J	J	27k	1/16W	Metal Oxide	AA
R903	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R905	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R906	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R907	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R908	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R909	VRS-CY1JF224J	J	220k	1/16W	Metal Oxide	AA
R910	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R911	VRS-CY1JF683J	J	68k	1/16W	Metal Oxide	AA
R912	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R913	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R914	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R920	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R921	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R922	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R925	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R926	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R929	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R930	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R935	VRS-CY1JF333J	J	33k	1/16W	Metal Oxide	AA
R936	VRS-CY1JF363J	J	36k	1/16W	Metal Oxide	AA
R4307	VRS-CY1JF273J	J	27k	1/16W	Metal Oxide	AA
R4308	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R4309	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4310	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4315	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R4316	VRS-CY1JF273J	J	27k	1/16W	Metal Oxide	AA
R4317	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4318	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R4322	VRS-CY1JF273J	J	27k	1/16W	Metal Oxide	AA
R4323	VRS-CY1JF273J	J	27k	1/16W	Metal Oxide	AA
R4324	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4331	VRS-CY1JF273J	J	27k	1/16W	Metal Oxide	AA
R4332	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4333	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4334	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4335	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R4336	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R4337	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R4338	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R4339	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4340	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4341	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4342	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4343	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4344	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R4345	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R4346	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4347	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4348	VRN-CY1JF392D	J	3.9k	1/16W	Metal Film	AA
R4349	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4350	VRN-CY1JF562D	J	5.6k	1/16W	Metal Film	AB
R4351	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R4352	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R4353	VRS-CY1JF152J	J	1.5k	1/16W	Metal Oxide	AA
R4354	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R4357	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R4358	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R4361	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R4364	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R4365	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R4368	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA

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Ref. No.	Part No.	★	Description			Code
R4369	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4391	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4392	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4393	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4501	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R4502	VRS-CY1JF821J	J	820	1/16W	Metal Oxide	AA
R4503	VRS-CY1JF431J	J	430	1/16W	Metal Oxide	AA
R4504	VRS-CY1JF132J	J	1.3k	1/16W	Metal Oxide	AA
R4505	VRS-CY1JF122J	J	1.2k	1/16W	Metal Oxide	AA
R4506	VRS-CY1JF431J	J	430	1/16W	Metal Oxide	AA
R4507	VRS-CY1JF122J	J	1.2k	1/16W	Metal Oxide	AA
R4508	VRS-CY1JF561J	J	560	1/16W	Metal Oxide	AA
R4509	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R4510	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R4511	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R4512	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R4513	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R4514	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R4515	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R4516	VRS-CY1JF182J	J	1.8k	1/16W	Metal Oxide	AA
R4517	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R4518	VRS-CY1JF911J	J	910	1/16W	Metal Oxide	AA
R4519	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R4520	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4521	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4522	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4523	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R4524	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4526	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4527	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R4528	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R4529	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R4530	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R4531	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R4532	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R4536	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4537	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4538	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R4539	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R4540	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R4541	VRS-CY1JF333J	J	33k	1/16W	Metal Oxide	AA
R4542	VRS-CY1JF271J	J	270	1/16W	Metal Oxide	AA
R4543	VRS-CY1JF271J	J	270	1/16W	Metal Oxide	AA
R4544	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R4545	VRS-CY1JF182J	J	1.8k	1/16W	Metal Oxide	AA
R4546	VRS-CY1JF182J	J	1.8k	1/16W	Metal Oxide	AA
R4547	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R4548	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R4549	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4550	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4551	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R4552	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R4553	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R4554	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R4555	VRS-CY1JF224J	J	220k	1/16W	Metal Oxide	AA
R4556	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R4557	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R4558	VRS-CY1JF222F	J	2.2k	1/16W	Metal Oxide	AA
R4559	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R4560	VRS-CY1JF222F	J	2.2k	1/16W	Metal Oxide	AA
R4561	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4563	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R4564	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4565	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4566	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4567	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R4568	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4569	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4571	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R4572	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R4573	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4574	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4591	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4592	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4596	VRS-TX2HF2R2J	J	2.2	1/2W	Metal Oxide	AB
R4597	VRS-CY1JF5R6J	J	5.6	1/16W	Metal Oxide	AA
R6001	VRS-CY1JF154J	J	150k	1/16W	Metal Oxide	AA
R6002	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R6003	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6004	VRS-CY1JF821J	J	820	1/16W	Metal Oxide	AA
R6005	VRN-CY1JF332D	J	3.3k	1/16W	Metal Film	AA
R6006	VRN-CY1JF332D	J	3.3k	1/16W	Metal Film	AA
R6007	VRS-CY1JF681J	J	680	1/16W	Metal Oxide	AA
R6008	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R6009	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R6010	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R6011	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R6012	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R6013	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R6014	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R6015	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R6016	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R6017	VRS-CY1JF561J	J	560	1/16W	Metal Oxide	AA
R6018	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R6019	VRS-CY1JF823J	J	82k	1/16W	Metal Oxide	AA
R6020	VRS-TV1JD222J	J	2.2k	1/16W	Metal Oxide	AA
R6021	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R6022	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R6023	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R6024	VRS-TV1JD122J	J	1.2k	1/16W	Metal Oxide	AA
R6025	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R6026	VRS-TV1JD471J	J	470	1/16W	Metal Oxide	AA
R6027	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R6028	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R6029	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R6030	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R6031	VRS-TV1JD122J	J	1.2k	1/16W	Metal Oxide	AA
R6032	VRS-CY1JF821J	J	820	1/16W	Metal Oxide	AA
R6033	VRS-CY1JF122J	J	1.2k	1/16W	Metal Oxide	AA
R6034	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R6035	VRS-CY1JF333J	J	33k	1/16W	Metal Oxide	AA
R6036	VRS-CY1JF102F	J	1.0k	1/16W	Metal Oxide	AA
R6037	VRS-CY1JF102F	J	1.0k	1/16W	Metal Oxide	AA
R6038	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R6039	VRS-CY1JF122J	J	1.2k	1/16W	Metal Oxide	AA
R6040	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R6041	VRS-CY1JF122J	J	1.2k	1/16W	Metal Oxide	AA
R6042	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R6043	VRS-CY1JF821J	J	820	1/16W	Metal Oxide	AA
R6044	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R6045	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R6046	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R6048	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R6054	VRS-CY1JF273J	J	27k	1/16W	Metal Oxide	AA
R6055	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R6056	VRS-CY1JF331J	J	330	1/16W	Metal Oxide	AA
R6057	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R6058	VRS-CY1JF151J	J	150	1/16W	Metal Oxide	AA
R6059	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R6060	VRS-CY1JF822J	J	8.2k	1/16W	Metal Oxide	AA
R6061	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R6062	VRS-TV1JD102J	J	1.0k	1/16W	Metal Oxide	AA
R6063	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R6064	VRS-CY1JF474J	J	470k	1/16W	Metal Oxide	AA
R6065	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R6066	VRS-CY1JF331J	J	330	1/16W	Metal Oxide	AA
R6067	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R6068	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R6069	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R6070	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R6071	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R6072	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R6073	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R6074	VRS-CY1JF332F	J	3.3k	1/16W	Metal Oxide	AA
R6075	VRS-CY1JF361J	J	360	1/16W	Metal Oxide	AA
R6076	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code

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R6077	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6078	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6081	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R6082	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA

MISCELLANEOUS PARTS

FB4501	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB4502	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB4503	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB4506	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB4507	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB4508	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB4509	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB6001	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB6002	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB6003	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB6004	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB6006	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB6007	RBLN-0065CEZZ	J	Ferrite Bead	AB
P401	QPLGZ3044CEZZ	J	Plug, 30-pin (ST)	AH
P803	QPLGN0463TAZZ	J	Plug, 4-pin	AC
SC801	QSOCZ2025CEZZ	J	Socket, 20-pin (SA)	AE
SC802	QSOCZ2025CEZZ	J	Socket, 20-pin (SB)	AE

Ref. No.	Part No.	★	Description	Code

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OUTPUT UNIT

INTEGRATED CIRCUITS

IC301	VHiTA8184F/-1	J	TA8184F	AN
IC809	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC1101	VHiCXA2112R-1	J	CXA2112R-T6	BB
IC1102	VHiCXA2112R-1	J	CXA2112R-T6	BB
IC1201	VHiCXA2112R-1	J	CXA2112R-T6	BB
IC1202	VHiCXA2112R-1	J	CXA2112R-T6	BB
IC1301	VHiCXA2112R-1	J	CXA2112R-T6	BB
IC1302	VHiCXA2112R-1	J	CXA2112R-T6	BB
IC1601	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC1602	VHiNJM2060V-1	J	NJM2060V	AF
IC1603	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC1604	VHiTC4053BT-1	J	TC4053BFT	AG
IC1605	VHiLM318M//-1	J	LM318M	AK
IC1606	VHiTHC4538T-1	J	TC74HC4538AFT	AL
IC1607	RH-iX1531CEZZ	J	TC74HC4053AF	AF
IC1608	VHiNJM2904V-1	J	NJM2904V	AF
IC1609	VHiAD8013AR-1	J	AD8013AR-14	AV
IC1610	VHiNJM2902V-1	J	NJM2902V	AD
IC1611	VHiHCT541AF-1	J	TC74HCT541AF	AG
IC1612	VHiHCT541AF-1	J	TC74HCT541AF	AG
IC1613	RH-iX1952CEZZ	J	74F86SJ	AD
IC1615	VHi74HCT125-1	J	HD74HCT125T	AF
IC2102	VHiLM2202M/-1	J	LM2202MX	AR
IC2202	VHiLM2202M/-1	J	LM2202MX	AR
IC2302	VHiLM2202M/-1	J	LM2202MX	AR
IC2402	VHiNJM360M/-1	J	NJM360M	AK
IC2404	VHi74HCT125-1	J	HD74HCT125T	AF
IC2405	VHiSNHC153T-1	J	SN74HC153PW	AK
IC2406	VHiML64203/-1	J	ML6420CS-3	AY
IC4201	VHiT7SET08U-1	J	TC7SET08FU	AE
IC4202	VHiTC4W53U/-1	J	TC4W53FU	AF
IC4203	VHiTC4W66U/-1	J	TC4W66FU	AF
IC4204	VHiNJM2060V-1	J	NJM2060V	AF
IC4206	VHiNJM2904V-1	J	NJM2904V	AF
IC5001	VHiSNHC08T/-1	J	SN74HC08PW	AG
IC5101	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC5102	VHiLB1831M/-1	J	LB1831M	AN
IC5201	VHiM62352GP-1	J	M62352GP	AQ
IC5202	VHiM62352GP-1	J	M62352GP	AQ
IC5251	VHiM62352GP-1	J	M62352GP	AQ
IC5301	VHiM62320FP-1	J	M62320FP	AK
IC5302	VHiM62320FP-1	J	M62320FP	AK
IC5303	RH-iX2963CEZZ	J	X24645S8T2	AX
IC5304	VHiT7WH241U-1	J	TC7WH241FU	AF
IC5305	VHiM62352GP-1	J	M62352GP	AQ
IC5306	VHiSNHC00T/-1	J	SN74HC00PW	AG
IC5307	VHiT7WH241U-1	J	TC7WH241FU	AF
IC5308	VHiT7WH241U-1	J	TC7WH241FU	AF
IC6801	VHiNJM431E/-1	J	NJM431E-TE1	AF
IC6802	VHiNJM2902V-1	J	NJM2902V	AD
IC6803	VHiAD8051AT-1	J	AD8051ART	AP
IC6804	VHiAD8051AT-1	J	AD8051ART	AP
IC6805	VHiAD8051AT-1	J	AD8051ART	AP
IC6806	VHiM40C568H-1	J	MB40C568HPFV-G	AQ
IC6807	VHiM40C568H-1	J	MB40C568HPFV-G	AQ
IC6808	VHiM40C568H-1	J	MB40C568HPFV-G	AQ
IC7001	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC7011	RH-iX2204CEZZ	J	PQ12TZ11	AG
IC7021	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC7051	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC7061	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC7091	VHiNJ7211U2-1	J	NJU7211U20	AG
IC7111	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC7201	VHiPQ05SZ51-1	J	PQ05SZ51	AG
IC7202	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC7203	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC7204	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC7205	RH-iX2296CEZZ	J	TC7S66F	AD
IC7207	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC7208	VHiPQ20VZ11-1	J	PQ20VZ11	AH

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Ref. No.	Part No.	★	Description	Code
IC7210	VHiTC4W66U/-1	J	TC4W66FU	AF
IC7501	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC7502	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC7503	RH-iX2204CEZZ	J	PQ12TZ11	AG

TRANSISTORS

Q301	VS2PD601AR/-1	J	2PD601AR	AB
Q1101	VS2PD601AR/-1	J	2PD601AR	AB
Q1102	VS2PB709AR/-1	J	2PB709AR	AB
Q1103	VS2PD601AR/-1	J	2PD601AR	AB
Q1104	VS2PB709AR/-1	J	2PB709AR	AB
Q1105	VS2PD601AR/-1	J	2PD601AR	AB
Q1106	VS2PB709AR/-1	J	2PB709AR	AB
Q1107	VS2PD601AR/-1	J	2PD601AR	AB
Q1108	VS2PB709AR/-1	J	2PB709AR	AB
Q1109	VS2PB709AR/-1	J	2PB709AR	AB
Q1201	VS2PD601AR/-1	J	2PD601AR	AB
Q1202	VS2PB709AR/-1	J	2PB709AR	AB
Q1203	VS2PD601AR/-1	J	2PD601AR	AB
Q1204	VS2PB709AR/-1	J	2PB709AR	AB
Q1205	VS2PD601AR/-1	J	2PD601AR	AB
Q1206	VS2PB709AR/-1	J	2PB709AR	AB
Q1207	VS2PD601AR/-1	J	2PD601AR	AB
Q1208	VS2PB709AR/-1	J	2PB709AR	AB
Q1301	VS2PD601AR/-1	J	2PD601AR	AB
Q1302	VS2PB709AR/-1	J	2PB709AR	AB
Q1303	VS2PD601AR/-1	J	2PD601AR	AB
Q1304	VS2PB709AR/-1	J	2PB709AR	AB
Q1305	VS2PD601AR/-1	J	2PD601AR	AB
Q1306	VS2PB709AR/-1	J	2PB709AR	AB
Q1307	VS2PD601AR/-1	J	2PD601AR	AB
Q1308	VS2PB709AR/-1	J	2PB709AR	AB
Q1309	VS2PB709AR/-1	J	2PB709AR	AB
Q1601	VS2PD601AR/-1	J	2PD601AR	AB
Q1602	VS2PB709AR/-1	J	2PB709AR	AB
Q1605	VSDTC144EU/-1	J	DTC144EU	AB
Q1606	VSDTC144EU/-1	J	DTC144EU	AB
Q1607	VSDTC144EU/-1	J	DTC144EU	AB
Q1608	VSDTC144EU/-1	J	DTC144EU	AB
Q1609	VSDTC144EU/-1	J	DTC144EU	AB
Q1610	VSDTC144EU/-1	J	DTC144EU	AB
Q1611	VSDTC144EU/-1	J	DTC144EU	AB
Q1612	VSDTC144EU/-1	J	DTC144EU	AB
Q1613	VSDTC144EU/-1	J	DTC144EU	AB
Q1614	VSDTC144EU/-1	J	DTC144EU	AB
Q2101	VS2SC2735//-1	J	2SC2735	AB
Q2201	VS2SC2735//-1	J	2SC2735	AB
Q2301	VS2SC2735//-1	J	2SC2735	AB
Q2401	VS2SC2735//-1	J	2SC2735	AB
Q2402	VS2SC2735//-1	J	2SC2735	AB
Q2403	VS2SC2735//-1	J	2SC2735	AB
Q2410	VS2SC2712Y/-1	J	2SC2712Y	AB
Q2411	VS2SC2712Y/-1	J	2SC2712Y	AB
Q2412	VS2SC2712Y/-1	J	2SC2712Y	AB
Q2413	VSiMZ1/////-1	J	iMZ1	AB
Q2414	VSiMZ1/////-1	J	iMZ1	AB
Q2415	VSiMZ1/////-1	J	iMZ1	AB
Q2416	VSDTC114EU/-1	J	DTC114EU	AB
Q2417	VSDTC114EU/-1	J	DTC114EU	AB
Q2418	VSDTC114EU/-1	J	DTC114EU	AB
Q2419	VS2PD601AR/-1	J	2PD601AR	AB
Q2420	VS2PD601AR/-1	J	2PD601AR	AB
Q2421	VS2PD601AR/-1	J	2PD601AR	AB
Q2423	VS2PD601AR/-1	J	2PD601AR	AB
Q2424	VS2PB709AR/-1	J	2PB709AR	AB
Q4202	VS2PD601AR/-1	J	2PD601AR	AB
Q4205	VS2PD601AR/-1	J	2PD601AR	AB
Q4206	VS2PD601AR/-1	J	2PD601AR	AB
Q4207	VSDTC114EU/-1	J	DTC114EU	AB
Q4208	VSDTC114EU/-1	J	DTC114EU	AB
Q4209	VS2PB709AR/-1	J	2PB709AR	AB
Q5001	VS2PD601AR/-1	J	2PD601AR	AB
Q5002	VS2PD601AR/-1	J	2PD601AR	AB
Q5003	VS2PD601AR/-1	J	2PD601AR	AB
Q5004	VS2PD601AR/-1	J	2PD601AR	AB
Q5005	VS2PD601AR/-1	J	2PD601AR	AB
Q5006	VS2PD601AR/-1	J	2PD601AR	AB
Q5007	VS2PD601AR/-1	J	2PD601AR	AB
Q5008	VS2PD601AR/-1	J	2PD601AR	AB
Q5009	VS2PD601AR/-1	J	2PD601AR	AB
Q5011	VSDTC144EU/-1	J	DTC144EU	AB
Q5012	VSDTC144EU/-1	J	DTC144EU	AB
Q5301	VS2PD601AR/-1	J	2PD601AR	AB
Q5302	VS2PD601AR/-1	J	2PD601AR	AB
Q5304	VS2SC2735//-1	J	2SC2735	AB
Q5305	VS2SC2735//-1	J	2SC2735	AB
Q5306	VS2SC2735//-1	J	2SC2735	AB
Q5307	VS2SC2735//-1	J	2SC2735	AB
Q5308	VSDTC144EU/-1	J	DTC144EU	AB
Q6801	VS2PD601AR/-1	J	2PD601AR	AB
Q6802	VS2PB709AR/-1	J	2PB709AR	AB
Q6803	VS2PD601AR/-1	J	2PD601AR	AB
Q6804	VS2PD601AR/-1	J	2PD601AR	AB
Q6805	VS2PD601AR/-1	J	2PD601AR	AB
Q7001	VS2PB709AR/-1	J	2PB709AR	AB
Q7003	VSDTC144EU/-1	J	DTC144EU	AB
Q7071	VS2SB1132Q/-1	J	2SB1132Q	AC
Q7072	VS2SD1664R/-1	J	2SD1664R	AC
Q7073	VS2PB709AR/-1	J	2PB709AR	AB
Q7074	VS2PD601AR/-1	J	2PD601AR	AB
Q7081	VS2SD1664R/-1	J	2SD1664R	AC
Q7082	VS2SD1664R/-1	J	2SD1664R	AC
Q7091	VS2PB709AR/-1	J	2PB709AR	AB
Q7092	VS2SD1664R/-1	J	2SD1664R	AC
Q7093	VS2PD601AR/-1	J	2PD601AR	AB
Q7094	VS2SB1132Q/-1	J	2SB1132Q	AC
Q7201	VS2PD601AR/-1	J	2PD601AR	AB
Q7202	VSDTC114EU/-1	J	DTC114EU	AB
Q7203	VS2PD601AR/-1	J	2PD601AR	AB
Q7204	VS2PD601AR/-1	J	2PD601AR	AB
Q7205	VS2PB709AR/-1	J	2PB709AR	AB
Q7206	VS2PB709AR/-1	J	2PB709AR	AB
Q7207	VSDTC114EU/-1	J	DTC114EU	AB
Q7208	VS2PD601AR/-1	J	2PD601AR	AB
Q7209	VS2PB709AR/-1	J	2PB709AR	AB
Q7210	VSDTC114EU/-1	J	DTC114EU	AB

DIODES

D802	VHDDAN202K/-1	J	Diode	AB
D1601	VHDDAN202K/-1	J	Diode	AB
D1602	VHDDAN202K/-1	J	Diode	AB
D5001	VHDHRW0702A-1	J	Diode	AE
D5002	VHDHRW0702A-1	J	Diode	AE
D5003	VHDHRW0702A-1	J	Diode	AE
D5004	VHDHRW0702A-1	J	Diode	AE
D5005	VHDMA153///-1	J	Diode	AB
D5006	VHDMA153///-1	J	Diode	AB
D5007	VHDMA153///-1	J	Diode	AB
D5008	VHDMA153///-1	J	Diode	AB
D5009	VHDHRW0702A-1	J	Diode	AE
D5010	VHDHRW0702A-1	J	Diode	AE
D5011	VHDHRW0702A-1	J	Diode	AE
D5012	VHDHRW0702A-1	J	Diode	AE
D5013	VHDHRW0702A-1	J	Diode	AE
D5014	VHDMA153///-1	J	Diode	AB
D5015	VHDMA153///-1	J	Diode	AB
D5016	VHDMA153///-1	J	Diode	AB
D5017	VHDMA153///-1	J	Diode	AB
D5018	VHDMA153///-1	J	Diode	AB
D5101	VHDDAN202K/-1	J	Diode	AB
D7001	VHDDAN202K/-1	J	Diode	AB
D7011	VHDDAN202K/-1	J	Diode	AB
D7021	VHDDAN202K/-1	J	Diode	AB
D7051	VHDDAN202K/-1	J	Diode	AB
D7061	VHDDAN202K/-1	J	Diode	AB
D7071	RH-EX0519CEZZ	J	Zener Diode	AB

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Ref. No.	Part No.	★	Description	Code
D7072	VHDDAN202K/-1	J	Diode	AB
D7091	VHDDAN202K/-1	J	Diode	AB
D7092	RH-EX0519CEZZ	J	Zener Diode	AB
D7111	VHDDAN202K/-1	J	Diode	AB
D7112	RH-EX0858CEZZ	J	Zener Diode	AC
D7201	VHDDAN202K/-1	J	Diode	AB
D7202	VHDDAN202K/-1	J	Diode	AB
D7203	VHDDAN202K/-1	J	Diode	AB
D7204	VHDDAN202K/-1	J	Diode	AB
D7205	RH-EX0228CEZZ	J	Zener Diode	AB
D7206	VHDDAN202K/-1	J	Diode	AB
D7207	VHDDAN202K/-1	J	Diode	AB
D7208	VHDDAN202K/-1	J	Diode	AB
D7209	VHDDAN202K/-1	J	Diode	AB
D7210	VHDDAN202K/-1	J	Diode	AB
D7501	VHDDAN202K/-1	J	Diode	AB
D7502	VHDDAN202K/-1	J	Diode	AB
D7503	VHDDAN202K/-1	J	Diode	AB

COILS

L1101	VP-1M100J1R6N	J	Peaking 10µH	AC
L1102	VP-1M100J1R6N	J	Peaking 10µH	AC
L1201	VP-1M100J1R6N	J	Peaking 10µH	AC
L1202	VP-1M100J1R6N	J	Peaking 10µH	AC
L1301	VP-1M100J1R6N	J	Peaking 10µH	AC
L1302	VP-1M100J1R6N	J	Peaking 10µH	AC
L2401	VP-1M220J2R9N	J	Peaking 22µH	AC

CONTROL

R4215	RVR-M7904TAZZ	J	33k (B)	AC

CAPACITORS

[MLFT···Malti Layer Film Tip]

C301	VCEAPV1CW476M	J	47	16V	Electrolytic	AD
C302	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C303	VCE9PF1CW106M	J	10	16V	Elect.(N.P)	AC
C304	VCE9PF1CW106M	J	10	16V	Elect.(N.P)	AC
C305	VCFRED1HM822J	J	8200p	50V	MLFT	AD
C306	VCFRED1HM822J	J	8200p	50V	MLFT	AD
C307	VCFYEC1CM334J	J	0.33	16V	MLFT	AE
C308	VCFYEC1CM334J	J	0.33	16V	MLFT	AE
C309	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C310	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C311	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C312	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C313	VCKYCY1AF105Z	J	1.0	10V	Ceramic	AC
C314	VCKYTV1CF105Z	J	1.0	16V	Ceramic	AB
C315	VCKYTV1CF105Z	J	1.0	16V	Ceramic	AB
C316	VCKYCY1CF154Z	J	0.15	16V	Ceramic	AB
C327	VCKYTV1CF105Z	J	1.0	16V	Ceramic	AB
C882	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C1101	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1102	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1103	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1104	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1105	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1106	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1107	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1108	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1109	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1110	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1111	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1112	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1113	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1114	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1115	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1117	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1118	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1119	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1120	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1123	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1124	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA

Ref. No.	Part No.	★	Description	Code
C1201	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1202	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1203	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1204	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C1206	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1207	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1208	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1209	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C1210	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1211	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1212	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1213	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1214	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1215	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1217	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1218	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1219	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1220	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1223	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1224	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1226	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1301	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1302	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1303	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1304	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C1305	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C1306	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1307	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1308	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1309	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C1310	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1311	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1312	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1313	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1314	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1315	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1317	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1318	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1319	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1320	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1323	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1324	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1601	VCEAPV1VW226M	J	22 35V Electrolytic	AD
C1602	VCEAPV1EW226M	J	22 25V Electrolytic	AD
C1603	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1604	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1605	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1606	VCEAPV1VW226M	J	22 35V Electrolytic	AD
C1607	VCEAPV1EW226M	J	22 25V Electrolytic	AD
C1608	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C1609	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1610	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C1611	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1612	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C1613	VCCCCY1HH471J	J	470p 50V Ceramic	AA
C1614	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C1615	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C1616	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1617	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C1618	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C1619	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C1620	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C1621	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C1622	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1623	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1624	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1625	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1626	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1627	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1628	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1629	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1630	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1631	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2101	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C2109	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C2110	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA

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Ref. No.	Part No.	★	Description			Code
C2111	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2112	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2113	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2114	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2115	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2116	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2117	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2118	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2119	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C2120	VCEAPV1CW476M	J	47	16V	Electrolytic	AD
C2121	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2122	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2123	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2125	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2126	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C2201	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2209	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2210	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2211	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2212	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2213	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2214	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2215	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2216	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2217	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2218	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2219	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C2220	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2225	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2226	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C2301	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2309	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2310	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2311	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2312	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2313	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2314	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2315	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2316	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2317	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2318	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2319	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C2320	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2325	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2326	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C2401	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2402	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2404	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2405	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2408	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2411	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2412	VCEAPV0JW476M	J	47	6.3V	Electrolytic	AD
C2413	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2414	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2415	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2416	VCCCCY1HH220J	J	22p	50V	Ceramic	AA
C2417	VCCCCY1HH220J	J	22p	50V	Ceramic	AA
C2418	VCCCCY1HH220J	J	22p	50V	Ceramic	AA
C2419	VCKYCY1AF105Z	J	1.0	10V	Ceramic	AC
C2420	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2421	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2422	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2423	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2424	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2425	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2426	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2427	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2428	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C2429	VCCCCY1HH391J	J	390p	50V	Ceramic	AA
C4201	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4203	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4204	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4210	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4213	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4214	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C4215	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4216	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4217	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4218	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C4221	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4222	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C5001	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5002	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C5003	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5004	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5101	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C5102	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C5103	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5104	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5105	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5106	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5107	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5108	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5201	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5202	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C5203	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5220	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C5251	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5301	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5302	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5303	VCEAPV0JW476M	J	47	6.3V	Electrolytic	AD
C5304	VCKYTV1CF105Z	J	1.0	16V	Ceramic	AB
C5305	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5306	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5307	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5308	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C5310	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C5311	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C5312	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C5313	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C5314	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C5315	VCEAPV0JW476M	J	47	6.3V	Electrolytic	AD
C5316	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5567	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C5572	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5573	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5574	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5575	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5590	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C6801	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C6802	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C6803	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C6804	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C6805	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C6806	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C6807	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C6808	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6809	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6810	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6811	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C6812	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C6813	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6814	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C6815	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6816	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C6817	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C6818	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6819	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C6820	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C6821	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C6822	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6823	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C6824	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C6825	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6826	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6827	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6828	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6829	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE

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Ref. No.	Part No.	★	Description			Code
C6830	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C6831	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6832	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7001	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7002	VCEAPV0JW107M	J	100	6.3V	Electrolytic	AD
C7004	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7011	VCEAPV1EW336M	J	33	25V	Electrolytic	AD
C7012	VCEAPV1CW476M	J	47	16V	Electrolytic	AD
C7021	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7022	VCEAPV0JW107M	J	100	6.3V	Electrolytic	AD
C7051	VCEAPV1CW476M	J	47	16V	Electrolytic	AD
C7052	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7053	VCEAPV0JW107M	J	100	6.3V	Electrolytic	AD
C7054	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7061	VCEAPV1CW476M	J	47	16V	Electrolytic	AD
C7062	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7063	VCEAPV0JW107M	J	100	6.3V	Electrolytic	AD
C7064	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7071	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C7072	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C7073	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C7091	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C7092	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C7093	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C7094	VCEAPV1CW476M	J	47	16V	Electrolytic	AD
C7095	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7096	VCEAPV1CW226M	J	22	16V	Electrolytic	AD
C7097	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7111	VCEAPV0JW107M	J	100	6.3V	Electrolytic	AD
C7112	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7114	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C7115	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7201	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C7202	VCEAPV0JW107M	J	100	6.3V	Electrolytic	AD
C7203	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7204	VCEAPF1EW336M	J	33	25V	Electrolytic	AB
C7205	VCEAPV1CW476M	J	47	16V	Electrolytic	AD
C7206	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7207	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7208	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C7209	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C7210	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7211	VCEAPF1EW336M	J	33	25V	Electrolytic	AB
C7212	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C7213	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7214	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C7215	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C7216	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C7217	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7218	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7219	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C7220	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C7221	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C7224	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7225	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7227	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7228	VCEAPF1EW336M	J	33	25V	Electrolytic	AB
C7229	VCEAPV1CW476M	J	47	16V	Electrolytic	AD
C7230	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7501	VCEAPV1EW336M	J	33	25V	Electrolytic	AD
C7502	VCEAPV1CW226M	J	22	16V	Electrolytic	AD
C7503	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7504	VCEAPV1EW336M	J	33	25V	Electrolytic	AD
C7505	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C7506	VCEAPV0JW107M	J	100	6.3V	Electrolytic	AD

RESISTORS

R301	VRS-TX2HF5R6J	J	5.6	1/2W	Metal Oxide	AA
R302	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R303	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R304	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R305	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R306	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R307	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R308	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R309	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R310	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R313	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R314	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R315	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R316	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R915	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R916	VRN-CY1JF102D	J	1.0k	1/16W	Metal Film	AB
R917	VRN-CY1JF562D	J	5.6k	1/16W	Metal Film	AB
R918	VRS-TX2HF5R6J	J	5.6	1/2W	Metal Oxide	AA
R919	VRS-TX2HF5R6J	J	5.6	1/2W	Metal Oxide	AA
R1050	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1071	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1095	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1101	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1102	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1103	VRS-CY1JF273F	J	27k	1/16W	Metal Oxide	AA
R1104	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1106	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1107	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1108	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1109	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1110	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1115	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1116	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1117	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1118	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1120	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1122	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1125	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1126	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1127	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1128	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1129	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1130	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1131	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R1132	VRS-CY1JF680J	J	68	1/16W	Metal Oxide	AA
R1133	VRS-CY1JF680J	J	68	1/16W	Metal Oxide	AA
R1134	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1135	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1136	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1137	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1138	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1139	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1140	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1143	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1144	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1145	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1146	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1147	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1148	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1149	VRS-CY1JF273F	J	27k	1/16W	Metal Oxide	AA
R1150	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1152	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1155	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R1156	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1157	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1158	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R1159	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1161	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1162	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1164	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1165	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R1166	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R1167	VRS-CY1JF3R3J	J	3.3	1/16W	Metal Oxide	AA
R1168	VRS-CY1JF3R3J	J	3.3	1/16W	Metal Oxide	AA
R1169	VRS-CY1JF3R3J	J	3.3	1/16W	Metal Oxide	AA
R1171	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R1172	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R1173	VRS-CY1JF3R3J	J	3.3	1/16W	Metal Oxide	AA
R1174	VRS-CY1JF3R3J	J	3.3	1/16W	Metal Oxide	AA
R1175	VRS-CY1JF3R3J	J	3.3	1/16W	Metal Oxide	AA
R1176	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA

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Ref. No.	Part No.	★	Description			Code
R1178	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1179	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1180	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1184	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1185	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1186	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1187	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1188	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1189	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1190	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1191	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1192	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1193	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1195	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R1196	VRS-TV1JD270J	J	27	1/16W	Metal Oxide	AA
R1197	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R1198	VRS-CY1JF331J	J	330	1/16W	Metal Oxide	AA
R1199	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R1201	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1202	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1203	VRS-CY1JF273F	J	27k	1/16W	Metal Oxide	AA
R1204	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1205	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1206	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1207	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1208	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1209	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R1210	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1215	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1216	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1217	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1218	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1220	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1222	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1225	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1226	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1227	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1228	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1229	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1230	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1231	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R1234	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1235	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1236	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1237	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1238	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1239	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1240	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1243	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1244	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1245	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1246	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1247	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1248	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1249	VRS-CY1JF273F	J	27k	1/16W	Metal Oxide	AA
R1250	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1252	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1255	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R1256	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1257	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1258	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R1259	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1261	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1262	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1264	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1265	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R1266	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R1267	VRS-CY1JF3R3J	J	3.3	1/16W	Metal Oxide	AA
R1268	VRS-CY1JF3R3J	J	3.3	1/16W	Metal Oxide	AA
R1269	VRS-CY1JF3R3J	J	3.3	1/16W	Metal Oxide	AA
R1271	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R1272	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R1273	VRS-CY1JF3R3J	J	3.3	1/16W	Metal Oxide	AA
R1274	VRS-CY1JF3R3J	J	3.3	1/16W	Metal Oxide	AA
R1275	VRS-CY1JF3R3J	J	3.3	1/16W	Metal Oxide	AA
R1276	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1278	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1279	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1280	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1284	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1285	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1286	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1287	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1288	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1289	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1290	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1291	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1292	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1293	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1295	VRS-CY1JF333J	J	33k	1/16W	Metal Oxide	AA
R1298	VRS-CY1JF331J	J	330	1/16W	Metal Oxide	AA
R1299	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R1301	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1302	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1303	VRS-CY1JF273F	J	27k	1/16W	Metal Oxide	AA
R1304	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1305	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1306	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1307	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1308	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1309	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1310	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1315	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1316	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1317	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1318	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1320	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1322	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1325	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1326	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1327	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1328	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1329	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1330	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1331	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R1332	VRS-CY1JF560J	J	56	1/16W	Metal Oxide	AA
R1333	VRS-CY1JF560J	J	56	1/16W	Metal Oxide	AA
R1334	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1335	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1336	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1337	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1338	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1339	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1340	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1343	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1344	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1345	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1346	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1347	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1348	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1349	VRS-CY1JF273F	J	27k	1/16W	Metal Oxide	AA
R1350	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1352	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1355	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R1356	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1357	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1358	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R1359	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1361	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1362	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1364	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1365	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R1366	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R1367	VRS-CY1JF3R3J	J	3.3	1/16W	Metal Oxide	AA
R1368	VRS-CY1JF3R3J	J	3.3	1/16W	Metal Oxide	AA
R1369	VRS-CY1JF3R3J	J	3.3	1/16W	Metal Oxide	AA
R1371	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R1372	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA

DUNTK9922DE02

OUTPUT UNIT (Cotinued)

Ref. No.	Part No.	★	Description			Code
R1373	VRS-CY1JF3R3J	J	3.3	1/16W	Metal Oxide	AA
R1374	VRS-CY1JF3R3J	J	3.3	1/16W	Metal Oxide	AA
R1375	VRS-CY1JF3R3J	J	3.3	1/16W	Metal Oxide	AA
R1376	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1378	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1379	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1380	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1384	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1385	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1386	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1387	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1388	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1389	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1390	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1391	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1392	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1393	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1395	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R1396	VRS-TV1JD270J	J	27	1/16W	Metal Oxide	AA
R1397	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R1398	VRS-CY1JF331J	J	330	1/16W	Metal Oxide	AA
R1399	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R1601	VRS-TX2HF2R2J	J	2.2	1/2W	Metal Oxide	AB
R1602	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1603	VRS-CY1JF123F	J	12k	1/16W	Metal Oxide	AA
R1604	VRS-CY1JF102F	J	1.0k	1/16W	Metal Oxide	AA
R1605	VRS-CY1JF510F	J	51	1/16W	Metal Oxide	AA
R1606	VRS-CY1JF202J	J	2.0k	1/16W	Metal Oxide	AA
R1607	VRS-CY1JF2R2J	J	2.2	1/16W	Metal Oxide	AA
R1608	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R1609	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1610	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1611	VRS-CY1JF302J	J	3.0k	1/16W	Metal Oxide	AA
R1612	VRS-CY1JF182J	J	1.8k	1/16W	Metal Oxide	AA
R1613	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1614	VRS-CY1JF2R2J	J	2.2	1/16W	Metal Oxide	AA
R1615	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1616	VRS-CY1JF123F	J	12k	1/16W	Metal Oxide	AA
R1617	VRS-CY1JF102F	J	1.0k	1/16W	Metal Oxide	AA
R1618	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R1619	VRS-TV1JD4R7J	J	4.7	1/16W	Metal Oxide	AA
R1620	VRS-CY1JF331J	J	330	1/16W	Metal Oxide	AA
R1621	VRS-CY1JF271J	J	270	1/16W	Metal Oxide	AA
R1622	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1623	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1624	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1625	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1628	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R1629	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R1630	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R1631	VRS-CY1JF202J	J	2.0k	1/16W	Metal Oxide	AA
R1632	VRS-CY1JF751J	J	750	1/16W	Metal Oxide	AA
R1633	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1634	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R1635	VRS-CY1JF2R2J	J	2.2	1/16W	Metal Oxide	AA
R1636	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1637	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1639	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R1640	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R1641	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R1642	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R1643	VRS-CY1JF271J	J	270	1/16W	Metal Oxide	AA
R1645	VRS-CY1JF333J	J	33k	1/16W	Metal Oxide	AA
R1647	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1648	VRS-CY1JF820J	J	82	1/16W	Metal Oxide	AA
R1649	VRS-CY1JF2R2J	J	2.2	1/16W	Metal Oxide	AA
R1650	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1651	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R1652	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R1653	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R1654	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R1655	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R1656	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R1657	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R1658	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R1659	VRS-CY1JF203J	J	20k	1/16W	Metal Oxide	AA
R1660	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R1661	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1663	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R1664	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R1665	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R1666	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1668	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R1669	VRS-CY1JF203J	J	20k	1/16W	Metal Oxide	AA
R1670	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1671	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R1672	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R1673	VRS-CY1JF203J	J	20k	1/16W	Metal Oxide	AA
R1674	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R1675	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R1676	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1677	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1678	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1679	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1680	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1681	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1682	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R1683	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R1684	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R1690	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1691	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1692	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1693	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1697	VRS-CY1JF122J	J	1.2k	1/16W	Metal Oxide	AA
R1698	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1699	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R2107	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R2108	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2109	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R2110	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2111	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R2112	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2113	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2114	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2116	VRS-CY1JF750J	J	75	1/16W	Metal Oxide	AA
R2120	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R2124	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R2131	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2132	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2133	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R2134	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2135	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2207	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R2208	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2209	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R2210	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2211	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R2212	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2213	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2214	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2216	VRS-CY1JF750J	J	75	1/16W	Metal Oxide	AA
R2220	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R2223	VRS-CY1JF303J	J	30k	1/16W	Metal Oxide	AA
R2224	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R2231	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2232	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2233	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R2234	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2235	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2307	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R2308	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2309	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R2310	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2311	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R2312	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2313	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2314	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2316	VRS-CY1JF750J	J	75	1/16W	Metal Oxide	AA

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Ref. No.	Part No.	★			Description	Code
R2320	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R2324	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R2331	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2332	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2333	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R2334	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2335	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2401	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R2402	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R2403	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R2404	VRS-CY1JF750J	J	75	1/16W	Metal Oxide	AA
R2405	VRS-CY1JF750J	J	75	1/16W	Metal Oxide	AA
R2406	VRS-CY1JF750J	J	75	1/16W	Metal Oxide	AA
R2409	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2410	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2411	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2412	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2413	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2414	VRS-CY1JF680F	J	68	1/16W	Metal Oxide	AA
R2415	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2416	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R2417	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2418	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2419	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2420	VRS-CY1JF680F	J	68	1/16W	Metal Oxide	AA
R2421	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2422	VRS-CY1JF680F	J	68	1/16W	Metal Oxide	AA
R2423	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2426	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2427	VRS-CY1JF682F	J	6.8k	1/16W	Metal Oxide	AA
R2428	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R2430	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2431	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R2432	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2433	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2434	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2435	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2436	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2437	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2438	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2439	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2440	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2441	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2442	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2443	VRS-CY1JF561J	J	560	1/16W	Metal Oxide	AA
R2444	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2445	VRS-CY1JF561J	J	560	1/16W	Metal Oxide	AA
R2446	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2447	VRS-CY1JF561J	J	560	1/16W	Metal Oxide	AA
R2448	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2450	VRS-CY1JF331J	J	330	1/16W	Metal Oxide	AA
R2451	VRS-CY1JF331J	J	330	1/16W	Metal Oxide	AA
R2452	VRS-CY1JF331J	J	330	1/16W	Metal Oxide	AA
R2453	VRS-CY1JF273J	J	27k	1/16W	Metal Oxide	AA
R2454	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R2455	VRS-CY1JF273J	J	27k	1/16W	Metal Oxide	AA
R2456	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R2457	VRS-CY1JF273J	J	27k	1/16W	Metal Oxide	AA
R2458	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R2459	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R2460	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R2461	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R2462	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R2463	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R2464	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R2465	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R2466	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R2467	VRS-CY1JF272F	J	2.7k	1/16W	Metal Oxide	AA
R2468	VRS-CY1JF272F	J	2.7k	1/16W	Metal Oxide	AA
R2469	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R2480	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R4210	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R4211	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R4212	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R4213	VRS-CY1JF333J	J	33k	1/16W	Metal Oxide	AA
R4214	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R4217	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R4218	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R4219	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R4220	VRS-TV1JD151J	J	150	1/16W	Metal Oxide	AA
R4223	VRS-CY1JF151J	J	150	1/16W	Metal Oxide	AA
R4224	VRS-CY1JF222F	J	2.2k	1/16W	Metal Oxide	AA
R4226	VRS-CY1JF133F	J	13k	1/16W	Metal Oxide	AA
R4227	VRS-CY1JF472F	J	4.7k	1/16W	Metal Oxide	AA
R4228	VRS-CY1JF472F	J	4.7k	1/16W	Metal Oxide	AA
R4231	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R4233	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R4234	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R4238	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R5001	VRS-TW2ED000J	J	0	1/4W	Metal Oxide	AB
R5002	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5003	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5004	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5005	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5006	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5007	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5008	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5009	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5010	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5011	VRS-TW2ED221J	J	220	1/4W	Metal Oxide	AA
R5012	VRS-TW2ED221J	J	220	1/4W	Metal Oxide	AA
R5013	VRS-TW2ED221J	J	220	1/4W	Metal Oxide	AA
R5014	VRS-TW2ED221J	J	220	1/4W	Metal Oxide	AA
R5015	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5016	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5017	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5019	VRS-TW2ED221J	J	220	1/4W	Metal Oxide	AA
R5020	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5021	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R5022	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R5023	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5024	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5025	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5026	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5027	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R5028	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5029	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R5030	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5031	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R5032	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R5033	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5034	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R5035	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5036	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5037	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R5038	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5039	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5045	VRS-CY1JF563J	J	56k	1/16W	Metal Oxide	AA
R5046	VRS-CY1JF563J	J	56k	1/16W	Metal Oxide	AA
R5047	VRS-CY1JF563J	J	56k	1/16W	Metal Oxide	AA
R5048	VRS-CY1JF563J	J	56k	1/16W	Metal Oxide	AA
R5050	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5051	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5102	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5103	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5104	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5105	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5106	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5107	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5108	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5109	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5201	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5202	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5203	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5204	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5205	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5206	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5207	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA

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Ref. No.	Part No.	★			Description	Code
R5208	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R5209	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5210	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5211	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R5212	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5213	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5214	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R5215	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5221	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R5251	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5252	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5253	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5301	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5302	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5303	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5304	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5305	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5306	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5307	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5308	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5309	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5310	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5311	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5312	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R5313	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5314	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5315	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5316	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R5317	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5318	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5319	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5320	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5321	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5322	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5323	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5324	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5325	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5326	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5328	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5329	VRS-CB1JF000J	J	0	1/16W	Metal Oxide	AC
R5330	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5331	VRS-CB1JF101J	J	100	1/16W	Metal Oxide	AA
R5334	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5335	VRS-CA1JF101J	J	100	1/16W	Metal Oxide	AA
R5336	VRS-TV1JD471J	J	470	1/16W	Metal Oxide	AA
R5337	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5338	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R5339	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5340	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5341	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5342	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R5343	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5344	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R5345	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R5346	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5347	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5348	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5349	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R5350	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5351	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5352	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R5353	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5354	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R5355	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5356	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R5357	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R5358	VRN-CY1JF182D	J	1.8k	1/16W	Metal Film	AA
R5360	VRS-CY1JF123F	J	12k	1/16W	Metal Oxide	AA
R5361	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5362	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5363	VRN-CY1JF152D	J	1.5k	1/16W	Metal Film	AB
R5364	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R5365	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R5366	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R5367	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R5368	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R5369	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R5370	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R5371	VRS-TV1JD680J	J	68	1/16W	Metal Oxide	AA
R5372	VRS-TV1JD680J	J	68	1/16W	Metal Oxide	AA
R5373	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R5374	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R5375	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5376	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5377	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R5378	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5380	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R5381	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R5384	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R5385	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R5394	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R5501	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R6801	VRS-CY1JF102F	J	1.0k	1/16W	Metal Oxide	AA
R6802	VRS-CY1JF512F	J	5.1k	1/16W	Metal Oxide	AA
R6803	VRS-CY1JF470J	J	47	1/16W	Metal Oxide	AA
R6804	VRS-CY1JF470J	J	47	1/16W	Metal Oxide	AA
R6805	VRS-CY1JF470J	J	47	1/16W	Metal Oxide	AA
R6806	VRS-CY1JF681J	J	680	1/16W	Metal Oxide	AA
R6807	VRS-CY1JF681J	J	680	1/16W	Metal Oxide	AA
R6808	VRS-CY1JF681J	J	680	1/16W	Metal Oxide	AA
R6809	VRS-CY1JF182J	J	1.8k	1/16W	Metal Oxide	AA
R6810	VRS-CY1JF182J	J	1.8k	1/16W	Metal Oxide	AA
R6811	VRS-CY1JF182J	J	1.8k	1/16W	Metal Oxide	AA
R6812	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R6813	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R6814	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R6815	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R6816	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R6817	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R6818	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R6819	VRS-CY1JF202F	J	2.0k	1/16W	Metal Oxide	AA
R6820	VRS-CY1JF102F	J	1.0k	1/16W	Metal Oxide	AA
R6821	VRS-CY1JF680J	J	68	1/16W	Metal Oxide	AA
R6822	VRS-CY1JF470J	J	47	1/16W	Metal Oxide	AA
R6823	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R6824	VRS-CY1JF680J	J	68	1/16W	Metal Oxide	AA
R6825	VRS-CY1JF470J	J	47	1/16W	Metal Oxide	AA
R6826	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6827	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6828	VRS-CY1JF680J	J	68	1/16W	Metal Oxide	AA
R6829	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6830	VRS-CY1JF470J	J	47	1/16W	Metal Oxide	AA
R6831	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6832	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6833	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6834	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6835	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6836	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6837	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6838	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6839	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6840	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6841	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6842	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6843	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6844	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6845	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6846	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6847	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6848	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6849	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6850	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R6851	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R7001	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7003	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R7004	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R7006	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7011	VRS-TX2HF2R2J	J	2.2	1/2W	Metal Oxide	AB

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Ref. No.	Part No.	★			Description	Code
R7012	VRS-TX2HF000J	J	0	1/2W	Metal Oxide	AA
R7013	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7021	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7051	VRS-TX2HF1R0J	J	1.0	1/2W	Metal Oxide	AA
R7052	VRS-TX2HF1R0J	J	1.0	1/2W	Metal Oxide	AA
R7053	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7061	VRS-TX2HF1R0J	J	1.0	1/2W	Metal Oxide	AA
R7062	VRS-TX2HF1R0J	J	1.0	1/2W	Metal Oxide	AA
R7063	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7071	VRS-CY1JF331J	J	330	1/16W	Metal Oxide	AA
R7072	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R7073	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7074	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7075	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7076	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7077	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7079	VRS-CR3AD4R7J	J	4.7	1W	Metal Oxide	AC
R7080	VRS-CR3AD4R7J	J	4.7	1W	Metal Oxide	AC
R7081	VRS-TX2HF2R2J	J	2.2	1/2W	Metal Oxide	AB
R7082	VRS-TX2HF2R2J	J	2.2	1/2W	Metal Oxide	AB
R7083	VRS-CY1JF821J	J	820	1/16W	Metal Oxide	AA
R7085	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R7086	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R7087	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R7091	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R7092	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7093	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7094	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7095	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7096	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7097	VRS-CY1JF331J	J	330	1/16W	Metal Oxide	AA
R7098	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R7099	VRS-TQ2BD000J	J	0	1/8W	Metal Oxide	AA
R7100	VRS-TQ2BD000J	J	0	1/8W	Metal Oxide	AA
R7101	VRS-TQ2BD000J	J	0	1/8W	Metal Oxide	AA
R7102	VRS-TQ2BD000J	J	0	1/8W	Metal Oxide	AA
R7111	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7112	VRS-CY1JF822F	J	8.2k	1/16W	Metal Oxide	AA
R7113	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R7114	VRS-CY1JF472F	J	4.7k	1/16W	Metal Oxide	AA
R7115	VRS-TX2HF3R9J	J	3.9	1/2W	Metal Oxide	AB
R7116	VRS-TX2HF3R9J	J	3.9	1/2W	Metal Oxide	AB
R7201	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7202	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R7203	VRS-CY1JF393J	J	39k	1/16W	Metal Oxide	AA
R7204	VRS-TX2HF2R2J	J	2.2	1/2W	Metal Oxide	AB
R7205	VRS-TX2HF2R2J	J	2.2	1/2W	Metal Oxide	AB
R7206	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R7207	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R7208	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R7209	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R7210	VRS-CB1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R7211	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7212	VRS-CY1JF822F	J	8.2k	1/16W	Metal Oxide	AA
R7213	VRS-CY1JF184F	J	180k	1/16W	Metal Oxide	AA
R7214	VRS-CY1JF102F	J	1.0k	1/16W	Metal Oxide	AA
R7215	VRS-CY1JF393J	J	39k	1/16W	Metal Oxide	AA
R7216	VRS-CY1JF223F	J	22k	1/16W	Metal Oxide	AA
R7217	VRS-TX2HF2R2J	J	2.2	1/2W	Metal Oxide	AB
R7218	VRS-TX2HF2R2J	J	2.2	1/2W	Metal Oxide	AB
R7219	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R7220	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R7221	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7222	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R7223	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7224	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R7225	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R7226	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R7227	VRS-CY1JF563F	J	56k	1/16W	Metal Oxide	AA
R7228	VRS-CY1JF102F	J	1.0k	1/16W	Metal Oxide	AA
R7229	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R7230	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7231	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R7233	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R7234	VRS-CY1JF393F	J	39k	1/16W	Metal Oxide	AA
R7235	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R7236	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R7237	VRS-CY1JF683F	J	68k	1/16W	Metal Oxide	AA
R7238	VRS-CY1JF122F	J	1.2k	1/16W	Metal Oxide	AA
R7239	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R7241	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R7243	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R7244	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R7249	VRS-CY1JF473F	J	47k	1/16W	Metal Oxide	AA
R7250	VRS-CY1JF184J	J	180k	1/16W	Metal Oxide	AA
R7251	VRS-CY1JF272F	J	2.7k	1/16W	Metal Oxide	AA
R7252	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R7253	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R7254	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R7255	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R7256	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R7257	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7259	VRS-TX2HF3R9J	J	3.9	1/2W	Metal Oxide	AB
R7261	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7262	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R7263	VRS-CY1JF393F	J	39k	1/16W	Metal Oxide	AA
R7264	VRS-CY1JF122F	J	1.2k	1/16W	Metal Oxide	AA
R7268	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R7269	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7270	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7271	VRS-CY1JF273F	J	27k	1/16W	Metal Oxide	AA
R7272	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R7273	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R7280	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R7281	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R7282	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R7283	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R7284	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R7501	VRS-TW2ED4R7J	J	4.7	1/4W	Metal Oxide	AA
R7502	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7503	VRS-CY1JF622J	J	6.2k	1/16W	Metal Oxide	AA
R7504	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R7505	VRS-TX2HF000J	J	0	1/2W	Metal Oxide	AA
R7506	VRS-TX2HF2R2J	J	2.2	1/2W	Metal Oxide	AB
R7507	VRS-TX2HF2R2J	J	2.2	1/2W	Metal Oxide	AB
R7508	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R7509	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA

SWITCHES

S4201	QSW-S0198CEZZ	J	Slide Switch	AF
SW5001	QSW-K0065GEZZ	J	Key Switch	AC

MISCELLANEOUS PARTS

F1401	QFS-L8012CEZZ	J	Fuse 0.8A	AF
F1402	QFS-L8012CEZZ	J	Fuse 0.8A	AF
FB1101	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1102	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1104	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1105	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1106	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1107	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1201	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1202	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1204	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1205	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1206	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1207	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1301	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1302	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1304	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1305	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1306	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1307	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB2101	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB2102	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB2201	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB2202	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB2301	RBLN-0059CEZZ	J	Ferrite Bead	AB

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FB2302	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB5001	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB5301	RBLN-0067CEZZ	J	Ferrite Bead	AC
FB5302	RBLN-0067CEZZ	J	Ferrite Bead	AC
FB5303	RBLN-0067CEZZ	J	Ferrite Bead	AC
FB5304	RBLN-0067CEZZ	J	Ferrite Bead	AC
FB5502	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB6801	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB6802	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB6803	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB6804	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB6805	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB6806	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB7201	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB7202	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB7203	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB7204	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB7205	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB7206	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB7207	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB7208	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB7209	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB7210	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB7211	RBLN-0065CEZZ	J	Ferrite Bead	AB
P301	QPLGN0764TAZZ	J	Plug, 7-pin (SO)	AD
P801	QPLGZ2035CEZZ	J	Plug, 20-pin (SA)	AH
P802	QPLGZ2035CEZZ	J	Plug, 20-pin (SB)	AH
P3001	QPLGZ2026CEZZ	J	Plug, 20-pin (TO)	AE
P5101	QPLGN0464TAZZ	J	Plug, 4-pin (AZ)	AC
P5302	QPLGN0174FJZZ	J	Plug, 2-pin (F)	AC
P5303	QPLGN0174FJZZ	J	Plug, 2-pin (Q2)	AC
P5552	QPLGN0864TAZZ	J	Plug, 8-pin (RI)	AD
P5554	QPLGN0564TAZZ	J	Plug, 5-pin (IR)	AC
P7201	QPLGN0174FJZZ	J	Plug, 2-pin (Q)	AC
P7202	QPLGN0264TAZZ	J	Plug, 2-pin (L)	AC
P7203	QPLGN0176FJZZ	J	Plug, 4-pin (FA)	AD
P7204	QPLGN0175FJZZ	J	Plug, 3-pin (FB)	AD
P7205	QPLGN0175FJZZ	J	Plug, 3-pin (FC)	AD
P7206	QPLGN0394FJZZ	J	Plug, 22-pin (EA)	AD
P7207	QPLGN0364TAZZ	J	Plug, 3-pin (FD)	AC
P7208	QPLGN0363TAZZ	J	Plug, 3-pin (D)	AC
P7209	QPLGN0175FJZZ	J	Plug, 3-pin (FE)	AD
SC1101	QSOCN3276TAZZ	J	Socket, 32-pin (RP)	AH
SC1201	QSOCN3276TAZZ	J	Socket, 32-pin (GP)	AH
SC1301	QSOCN3276TAZZ	J	Socket, 32-pin (BP)	AH
SC5001	QSOCN1897REZZ	J	Socket, 36-pin (KY)	AE
SC8404	QCNCW6028CEZZ	J	Connector, 60-pin	AL
SC8405	QCNCW6028CEZZ	J	Connector, 60-pin	AL
SC8502	QCNCW6028CEZZ	J	Connector, 60-pin	AL

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TERMINAL UNIT

INTEGRATED CITCUITS

IC401	VHiNJM2245M-1	J	NJM2245M	AF
IC441	VHiNJM2245M-1	J	NJM2245M	AF
IC442	VHiNJM2245M-1	J	NJM2245M	AF
IC3001	VHi24LC21//-1	J	24LC21T	AN
IC3002	VHiTL712CPW-1	J	TL712CPWR	AL
IC3003	VHiTL712CPW-1	J	TL712CPWR	AL
IC3004	VHiTL712CPW-1	J	TL712CPWR	AL
IC3101	VHiTL712CPW-1	J	TL712CPWR	AL
IC3102	VHiTL712CPW-1	J	TL712CPWR	AL
IC3201	VHiEL4332C/-1	J	EI4332CS	BA
IC3301	RH-iX2317CEZZ	J	SN74ALS1034NS	AF
IC3401	VHiUPD4721G-1	J	UPD4721G-GJG	AQ
IC3501	VHi24LC21//-1	J	24LC21T	AN
IC3502	VHiTL712CPW-1	J	TL712CPWR	AL
IC3503	VHiTL712CPW-1	J	TL712CPWR	AL
IC3504	VHiTL712CPW-1	J	TL712CPWR	AL
IC4001	VHiMC141627-1	J	MC141627FT	AY
IC5551	VHiTC7S08F/-1	J	TC7S08F	AC

TRANSISTORS

Q461	VS2PB709AR/-1	J	2PB709AR	AB
Q462	VS2PB709AR/-1	J	2PB709AR	AB
Q463	VSDTC144EK/-1	J	DTC144EK	AB
Q464	VS2PD601AR/-1	J	2PD601AR	AB
Q465	VS2PD601AR/-1	J	2PD601AR	AB
Q3001	VSDTC144EU/-1	J	DTC144EU	AB
Q3002	VSDTC144EU/-1	J	DTC144EU	AB
Q3003	VSDTC114EU/-1	J	DTC114EU	AB
Q3004	VSDTC144EU/-1	J	DTC144EU	AB
Q3005	VSDTC114EU/-1	J	DTC114EU	AB
Q3006	VSDTC144EU/-1	J	DTC144EU	AB
Q3007	VSDTC144EU/-1	J	DTC144EU	AB
Q3101	VSDTC144EU/-1	J	DTC144EU	AB
Q3102	VSDTC114EU/-1	J	DTC114EU	AB
Q3103	VSDTC144EU/-1	J	DTC144EU	AB
Q3201	VS2PD601AR/-1	J	2PD601AR	AB
Q3202	VS2PD601AR/-1	J	2PD601AR	AB
Q3203	VS2PD601AR/-1	J	2PD601AR	AB
Q3501	VSDTC144EU/-1	J	DTC144EU	AB
Q3502	VSDTC114EU/-1	J	DTC114EU	AB
Q3503	VSDTC144EU/-1	J	DTC144EU	AB
Q3504	VSDTC114EU/-1	J	DTC114EU	AB
Q3505	VSDTC144EU/-1	J	DTC144EU	AB
Q3506	VSDTC144EU/-1	J	DTC144EU	AB
Q4002	VS2PD601AR/-1	J	2PD601AR	AB
Q4004	VS2PD601AR/-1	J	2PD601AR	AB
Q4005	VS2PD601AR/-1	J	2PD601AR	AB
Q4007	VS2PD601AR/-1	J	2PD601AR	AB
Q4009	VS2PB709AR/-1	J	2PB709AR	AB
Q4010	VS2PD601AR/-1	J	2PD601AR	AB
Q4011	VSiMX2/////-1	J	iMX2	AB
Q5550	VSDTC144EU/-1	J	DTC144EU	AB

DIODES

D401	RH-EX0226CEZZ	J	Zener Diode	AB
D402	RH-EX0226CEZZ	J	Zener Diode	AB
D403	RH-EX0226CEZZ	J	Zener Diode	AB
D404	RH-EX0226CEZZ	J	Zener Diode	AB
D409	RH-EX0226CEZZ	J	Zener Diode	AB
D441	RH-EX0226CEZZ	J	Zener Diode	AB
D442	RH-EX0226CEZZ	J	Zener Diode	AB
D443	RH-EX0226CEZZ	J	Zener Diode	AB
D444	RH-EX0226CEZZ	J	Zener Diode	AB
D461	RH-EX0226CEZZ	J	Zener Diode	AB
D462	RH-EX0226CEZZ	J	Zener Diode	AB
D3001	VHDMA157A//-1	J	Diode	AC
D3002	VHDMA157A//-1	J	Diode	AC
D3003	VHDMA157A//-1	J	Diode	AC
D3004	VHDMA157A//-1	J	Diode	AC
D3005	VHDMA157A//-1	J	Diode	AC

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Ref. No.	Part No.	★	Description	Code
D3006	VHDMA157A//-1	J	Diode	AC
D3007	VHDMA157A//-1	J	Diode	AC
D3201	VHDMA157A//-1	J	Diode	AC
D3202	VHDMA157A//-1	J	Diode	AC
D3203	VHDMA157A//-1	J	Diode	AC
D3204	VHDMA157A//-1	J	Diode	AC
D3205	VHDMA157A//-1	J	Diode	AC
D3206	VHDMA157A//-1	J	Diode	AC
D3301	VHDMA157A//-1	J	Diode	AC
D3302	VHDMA157A//-1	J	Diode	AC
D3303	VHDMA157A//-1	J	Diode	AC
D3304	VHDMA157A//-1	J	Diode	AC
D3305	VHDMA157A//-1	J	Diode	AC
D3306	VHDMA157A//-1	J	Diode	AC
D3401	VHDMA3120WA-1	J	Diode	AK
D3402	VHDMA3120WA-1	J	Diode	AK
D3403	VHDMA3120WA-1	J	Diode	AK
D3404	VHDMA3120WA-1	J	Diode	AK
D3405	RH-EX0226CEZZ	J	Zener Diode	AB
D3406	RH-EX0226CEZZ	J	Zener Diode	AB
D3407	RH-EX0226CEZZ	J	Zener Diode	AB
D3408	RH-EX0226CEZZ	J	Zener Diode	AB
D3501	VHDMA157A//-1	J	Diode	AC
D3502	VHDMA157A//-1	J	Diode	AC
D3503	VHDMA157A//-1	J	Diode	AC
D3504	VHDMA157A//-1	J	Diode	AC
D3505	VHDMA157A//-1	J	Diode	AC
D4001	VHDMA153//-1	J	Diode	AB
D4002	VHD1SS355//-1	J	Diode	AB
D5551	VHDMA3120WA-1	J	Diode	AK
D5552	VHDMA3120WA-1	J	Diode	AK

FILTERS AND COILS

FL401	RFiLN0017TAZZ	J	Filter	AC
FL403	RFiLN0017TAZZ	J	Filter	AC
FL404	RFiLN0017TAZZ	J	Filter	AC
FL405	RFiLN0017TAZZ	J	Filter	AC
FL3001	RFiLN0003TAZZ	J	Filter	AD
FL3002	RFiLN0003TAZZ	J	Filter	AD
FL3003	RFiLN0003TAZZ	J	Filter	AD
FL3004	RFiLN0003TAZZ	J	Filter	AD
FL3005	RFiLN0003TAZZ	J	Filter	AD
FL3006	RFiLN0003TAZZ	J	Filter	AD
FL3301	RFiLN0003TAZZ	J	Filter	AD
FL3302	RFiLN0003TAZZ	J	Filter	AD
FL3303	RFiLN0003TAZZ	J	Filter	AD
FL3501	RFiLN0003TAZZ	J	Filter	AD
FL3502	RFiLN0003TAZZ	J	Filter	AD
FL3503	RFiLN0003TAZZ	J	Filter	AD
FL4001	RCiLF0316CEZZ	J	Filter	AG
FL4002	RCiLF0316CEZZ	J	Filter	AG
L3201	VP-1M100J1R6N	J	Peaking 10µH	AC
L4004	VP-1M330J4R2N	J	Peaking 33µH	AC
L4005	VP-1M330J4R2N	J	Peaking 33µH	AC
L4006	VP-1M270J3R8N	J	Peaking 27µH	AC

CAPACITORS

C401	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C404	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C405	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C407	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C408	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C409	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C410	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C420	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C421	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C441	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C443	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C445	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C446	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C447	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C449	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C451	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C452	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C453	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C454	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C461	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C463	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C465	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C466	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C469	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C470	VCE9PF1CW106M	J	10	16V	Elect.(N.P)	AC
C471	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C472	VCE9PF1CW106M	J	10	16V	Elect.(N.P)	AC
C3001	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3002	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C3003	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3004	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3005	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3006	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3007	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3008	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C3009	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C3010	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3011	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3012	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3101	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C3102	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3103	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3104	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C3105	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3106	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3201	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3202	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3203	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3204	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3205	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3206	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3207	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3208	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3209	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3210	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3211	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3212	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3213	VCEAPF0JW226M	J	22	6.3V	Electrolytic	AB
C3214	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3215	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3301	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3401	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C3402	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C3403	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C3404	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3405	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C3406	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3407	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3501	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3502	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C3503	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3504	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3505	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3506	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3507	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3508	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C3509	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C3510	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3511	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3512	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C4022	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4023	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4029	VCEAPF0JW226M	J	22	6.3V	Electrolytic	AB
C4030	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4031	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4032	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4033	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4034	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C4035	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA

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Ref. No.	Part No.	★	Description			Code
C4036	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4037	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4038	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4039	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4040	VCEAPF1HW105M	J	1.0	50V	Electrolytic	AB
C4041	VCEAPF0JW226M	J	22	6.3V	Electrolytic	AB
C4042	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4043	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4044	VCE9PF1HW105M	J	1.0	50V	Elect.(N.P)	AC
C4045	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4046	VCEAPF1HW105M	J	1.0	50V	Electrolytic	AB
C4047	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4048	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4049	VCCCCY1HH270J	J	27p	50V	Ceramic	AA
C4050	VCCCCY1HH270J	J	27p	50V	Ceramic	AA
C4051	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4052	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5551	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C5552	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C5555	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5556	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C5557	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5558	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC

RESISTORS

R403	VRS-TQ2BD750J	J	75	1/8W	Metal Oxide	AA
R404	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R405	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R406	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R407	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R408	VRS-TQ2BD750J	J	75	1/8W	Metal Oxide	AA
R409	VRS-TQ2BD750J	J	75	1/8W	Metal Oxide	AA
R410	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R411	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R412	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R414	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R415	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R416	VRS-CY1JF224J	J	220k	1/16W	Metal Oxide	AA
R417	VRS-CY1JF224J	J	220k	1/16W	Metal Oxide	AA
R431	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R441	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R442	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R443	VRS-CY1JF224J	J	220k	1/16W	Metal Oxide	AA
R444	VRS-CY1JF224J	J	220k	1/16W	Metal Oxide	AA
R445	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R446	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R447	VRS-CY1JF224J	J	220k	1/16W	Metal Oxide	AA
R448	VRS-CY1JF224J	J	220k	1/16W	Metal Oxide	AA
R461	VRS-CY1JF224J	J	220k	1/16W	Metal Oxide	AA
R462	VRS-CY1JF224J	J	220k	1/16W	Metal Oxide	AA
R463	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R464	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R465	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R466	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R467	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R468	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R469	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R470	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R471	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R472	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R473	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R474	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R475	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R476	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R477	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R478	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R479	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide	AA
R3001	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R3002	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R3003	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R3004	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R3005	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R3006	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3007	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R3008	VRS-CY1JF271J	J	270	1/16W	Metal Oxide	AA
R3009	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3010	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R3011	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R3013	VRS-CY1JF330J	J	33	1/16W	Metal Oxide	AA
R3014	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R3015	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R3016	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R3017	VRS-CY1JF271J	J	270	1/16W	Metal Oxide	AA
R3018	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3019	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3020	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R3021	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R3023	VRS-CY1JF330J	J	33	1/16W	Metal Oxide	AA
R3024	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R3025	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3026	VRS-CY1JF271J	J	270	1/16W	Metal Oxide	AA
R3027	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3028	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3029	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R3030	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R3032	VRS-CY1JF330J	J	33	1/16W	Metal Oxide	AA
R3034	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R3035	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R3036	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3040	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R3041	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R3042	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3043	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3101	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3104	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R3106	VRS-CY1JF330J	J	33	1/16W	Metal Oxide	AA
R3107	VRS-CY1JF271J	J	270	1/16W	Metal Oxide	AA
R3108	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3109	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3110	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R3112	VRS-CY1JF330J	J	33	1/16W	Metal Oxide	AA
R3113	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R3114	VRS-CY1JF271J	J	270	1/16W	Metal Oxide	AA
R3115	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3116	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R3120	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R3121	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3201	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R3202	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R3203	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R3204	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R3205	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R3206	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R3207	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R3208	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R3209	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R3210	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R3211	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R3212	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R3213	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R3214	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R3215	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R3216	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R3217	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R3218	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R3219	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R3221	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3222	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R3224	VRS-CY1JF820J	J	82	1/16W	Metal Oxide	AA
R3225	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R3227	VRS-CY1JF162J	J	1.6k	1/16W	Metal Oxide	AA
R3228	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R3251	VRS-CY1JF162J	J	1.6k	1/16W	Metal Oxide	AA
R3252	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R3253	VRS-CY1JF152J	J	1.5k	1/16W	Metal Oxide	AA
R3401	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA

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TERMINAL UNIT (Cotinued)

Ref. No.	Part No.	★	Description	Code
R3402	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3403	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3404	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3405	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3406	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3407	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3408	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3409	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3501	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3502	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3503	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3504	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3505	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3506	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3507	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3508	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R3509	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3510	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3511	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3513	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R3514	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3515	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3516	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3517	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R3518	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3519	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3520	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3521	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3523	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R3524	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3526	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R3527	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3528	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3529	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3530	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3532	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R3540	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3541	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3542	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3543	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4013	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4014	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4015	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4016	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4017	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R4020	VRS-CY1JF393J	J	39k 1/16W Metal Oxide	AA
R4021	VRS-CY1JF393J	J	39k 1/16W Metal Oxide	AA
R4023	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4024	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4025	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R4028	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R4035	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R4036	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R4037	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4040	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R4041	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R4042	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4043	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4044	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4045	VRS-CY1JF754J	J	750k 1/16W Metal Oxide	AA
R4046	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R4047	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R4048	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4049	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4050	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4051	VRS-CY1JF185J	J	1.8M 1/16W Metal Oxide	AE
R4052	VRS-CY1JF563J	J	56k 1/16W Metal Oxide	AA
R4053	VRS-CY1JF4R7J	J	4.7 1/16W Metal Oxide	AA
R4054	VRS-CY1JF121J	J	120 1/16W Metal Oxide	AA
R4055	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R4056	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R4057	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4058	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R4059	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4061	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5550	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R5551	VRS-TX2HF220J	J	22 1/2W Metal Oxide	AB
R5552	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA

SWITCH

S3001	QSW-S0230CEZZ	J	Switch	AG

MISCELLANEOUS PARTS

FB401	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB403	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB404	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB441	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB442	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB443	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB444	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB445	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB446	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB461	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB462	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB463	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB3004	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3005	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3050	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3104	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3105	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3304	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3305	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3306	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3401	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3402	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3403	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3404	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3405	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3406	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3407	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3408	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB3504	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3505	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3550	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB4001	RBLN-0067CEZZ	J	Ferrite Bead	AC
FB4002	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB4003	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB4004	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB4005	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB5551	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB5552	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB5553	RBLN-0060TAZZ	J	Ferrite Bead	AB
J401	QJAKG0049CEZZ	J	Jack, AV IN	AH
J402	QSOCD0403GEZZ	J	Socket, S-Video IN	AE
J441	QJAKJ0008GEZZ	J	Jack, Audio IN1	AD
J442	QJAKJ0008GEZZ	J	Jack, Audio IN2	AD
J461	QJAKJ0008GEZZ	J	Jack, Audio OUT	AD
J3101	QTANZ0632CEZZ	J	5 BNC Terminal RGB IN	AR
J5551	QJAKJ0007TAZZ	J	Jack, Wired R/C	AC
SC401	QSOCZ3043CEZZ	J	Socket, 30-pin (ST)	AG
SC3001	QSOCZ2058CEZZ	J	Socket, 20-pin (TO)	AG
SC3002	QSOCN0448FJZZ	J	Socket, 15-pin RGB IN1	AM
SC3003	QSOCN0448FJZZ	J	Socket, 15-pin RGB IN2	AM
SC3301	QSOCN0344FJZZ	J	Socket, 15-pin RGB OUT	AM
SC3401	QSOCD0901CEZZ	J	Socket, 9-pin	AH
RMC5551	RRMCU0233CEZZ	J	R/C Receiver	AF
	PSLDM4579CEFW	J	Shield	AK
	QEARP0093CEFN	J	Earth Plate	AE

Ref. No.	Part No.	★	Description	Code

DUNTK9924DE02
IR-DA (1) UNIT

CAPACITORS

C5560	VCKYTV1CF225Z	J	2.2	16V	Ceramic	AC
C5561	VCCCCY1HH820J	J	82p	50V	Ceramic	AA
C5562	RC-KZ0027TAZZ	J	10	16V	Ceramic	AF
C5563	RC-KZ0027TAZZ	J	10	16V	Ceramic	AF
C5564	RC-KZ0027TAZZ	J	10	16V	Ceramic	AF
C5565	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C5566	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5593	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA

RESISTORS

R5560	VRS-CY1JF301F	J	300	1/16W	Metal Oxide	AA
R5561	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R5562	VRS-TX2HF2R2J	J	2.2	1/2W	Metal Oxide	AB
R5563	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA

MISCELLANEOUS PARTS

FB5501	RBLN-0059CEZZ	J	Ferrite Bead	AB
P5553	QPLGN0564TAZZ	J	Plug, 5-pin (IR)	AC
RMC7503	RRMCK0027CEZZ	J	R/C Receiver	AW
	PSLDM4546CEFW	J	Shield	AE
	PSLDM4547CEFW	J	Shield	AD
	QEARP0089CEFN	J	Earth Plate	AE
	HDECQ0730CESA	J	Decoration Plate	AD
	LANGA0075CEFW	J	Angle	AD
	PSPAT0054CEZZ	J	Spacer	AB

DUNTK9925DE02
IR-DA (2) UNIT

CAPACITORS

C5559	VCCCCY1HH820J	J	82p	50V	Ceramic	AA
C5576	VCKYTV1CF225Z	J	2.2	16V	Ceramic	AC
C5578	RC-KZ0027TAZZ	J	10	16V	Ceramic	AF
C5579	RC-KZ0027TAZZ	J	10	16V	Ceramic	AF
C5580	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5581	RC-KZ0027TAZZ	J	10	16V	Ceramic	AF
C5591	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5597	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA

RESISTORS

R5553	VRS-CY1JF301F	J	300	1/16W	Metal Oxide	AA
R5554	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R5556	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R5557	VRS-TX2HF2R2J	J	2.2	1/2W	Metal Oxide	AB

MISCELLANEOUS PARTS

FB5560	RBLN-0059CEZZ	J	Ferrite Bead	AB
P5551	QPLGN0564TAZZ	J	Plug, 5-pin (RA)	AC
RMC3401	RRMCK0027CEZZ	J	R/C Receiver	AW
	PSLDM4544CEFW	J	Shield	AE
	PSLDM4545CEFW	J	Shield	AD
	QEARP0088CEFN	J	Earth Plate	AE
	HDECQ0730CESA	J	Decoration Plate	AD
	LANGA0075CEFW	J	Angle	AD
	PSPAT0054CEZZ	J	Spacer	AB

Ref. No.	Part No.	★	Description	Code

DUNTK9928DE02
SOUND OUT UNIT

INTEGRATED CIRCUIT

IC302	VHiTDA1517/-2	J	TDA1517/N2	AL

CAPACITORS

C317	VCEAPF1HW475M	J	4.7	50V	Electrolytic	AB
C318	VCEAPF1HW475M	J	4.7	50V	Electrolytic	AB
C319	VCE9PF1CW475M	J	4.7	16V	Elect.(N.P)	AC
C320	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C321	VCEA2A1CW108M	J	1000	16V	Electrolytic	AB
C322	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C323	VCEA2A1CW108M	J	1000	16V	Electrolytic	AB
C324	VCEAPF1EW475M	J	4.7	25V	Electrolytic	AB
C325	VCEA2A1EW477M	J	470	25V	Electrolytic	AD
C326	VCE9PF1CW475M	J	4.7	16V	Elect.(N.P)	AC

RESISTORS

R311	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R312	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R317	QFS-J2521CEZZ	J	Fuse Resistor			AF

MISCELLANEOUS PARTS

FB301	RBLN-0060CEZZ	J	Ferrite Bead	AC
P302	QPLGN0764TAZZ	J	Plug, 7-pin (SO)	AD
P303	QPLGN0176FJZZ	J	Plug, 4-pin (SP)	AD

DUNTK9941DE02
R/C RECEIVER UNIT

CAPACITOR

C5568	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC

RESISTORS

R5564	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R5565	VRS-CY1JF220J	J	22	1/16W	Metal Oxide	AA

MISCELLANEOUS PARTS

P5555	QPLGN0364TAZZ	J	Plug, 3-pin (RC)	AC
RMC5552	RRMCU0225CEZZ	J	R/C Receiver	AK
	PSLDC3099CEFW	J	Shield	AD

Ref. No.	Part No.	★	Description	Code

RUNTK0656CEZZ
INLET UNIT

PACKAGED CIRCUIT

⚠ TNR791	9FJ0F20001310	J	ENE471D10A	AD

COIL

⚠ L791	9FJ0L05001370	J	Inductor, 0.8mH(3.5A)	AN

CAPACITORS

⚠ C791	9FJ0C34010663	J	0.47	250V	M.Polyester	AK
⚠ C792	9FJ0C34010620	J	0.1	250V	M.Polyester	AD

RESISTOR

⚠ R791	9FJ0R11002110	J	470k 1W	Special	AC

MISCELLANEOUS PARTS

⚠ F791	9FJ0E02110070	J	Fuse 5A 250V	AF
	9FJ0E09010010	J	Fuse Holder	AC
CN791	9FJ0G10003930	J	3-pin (PA), S2P3VH	AD
⚠	9FJ0G10004260	J	AC Inlet NC-174-10N-DL6-BL	AK

RDENC0287CEZZ
POWER UNIT

INTEGRATED CIRCUITS

⚠ IC701	9FJ0F01901340	J	AN8027	AQ
IC702	9FJ0F01102285	J	UPC1093TE	AG
IC703	9FJ0F01102355	J	TA79L08F	AH
IC704	9FJ0F01102340	J	PQ1CF1	AS
IC705	9FJ0F01102365	J	UPC1944T	AH
IC706	9FJ0F01001115	J	TA75358F	AH

TRANSISTORS

Q701	9FJ0Q11001750	J	FS7KM18A	AS
Q702	9FJ0Q02001725	J	2SC4409	AE
Q703	9FJ0Q00001310	J	2SA1931	AH
Q704	9FJ0Q02001195	J	2SC2712YT	AC
Q705	9FJ0Q09001041	J	RN1401T	AC
Q706	9FJ0Q09001041	J	RN1401T	AC

DIODES

D701	9FJ0D01000360	J	Diode RG1C	AD
D702	9FJ0D01010085	J	Diode 1DL42A	AE
D703	9FJ0D01010195	J	Diode AU01V0	AD
D704	9FJ0D01010195	J	Diode AU01V0	AD
D705	9FJ0D00001005	J	Diode 1SS119T	AB
D706	9FJ0D01010195	J	Diode AU01V0	AD
D707	9FJ0D20001015	J	Diode 1SS184TE85	AC
D708	9FJ0D20001015	J	Diode 1SS184TE85	AC
D709	9FJ0D23010022	J	Diode FMX12S	AH
D710	9FJ0D24001200	J	Diode FMBG16L	AH
D711	9FJ0D23010022	J	Diode FMX12S	AH
D712	9FJ0D01010195	J	Diode AU01V0	AD
D713	9FJ0D20001015	J	Diode 1SS184TE85	AC
D714	9FJ0D04001030	J	Diode FMBG14L	AH
ZD701	9FJ0D31181695	J	Zener Diode RD24JSAB2TA	AC
ZD702	9FJ0D31181675	J	Zener Diode RD18JSAB2TA	AC
ZD705	9FJ0D31181655	J	Zener Diode RD15JSAB2TA	AD

PACKAGED CIRCUITS

⚠ PC701	9FJ0F10010931	J	Photo Coupler TLP721	AG
⚠ PC702	9FJ0F10010931	J	Photo Coupler TLP721	AG

COILS AND TRANSFORMER

L701	9FJ0L08001445	J	Inductor LHL08TB5R6M	AF
L702	9FJ0L08001445	J	Inductor LHL08TB5R6M	AF
L703	9FJ0L08001445	J	Inductor LHL08TB5R6M	AF
L704	9FJ0L08001660	J	Inductor 150µ	AG
B701	9FJ0L08001025	J	Inductor B-01-AT	AC
⚠ T701	9FJ0L00002080	J	Transformer	AT

CONTROLS

VR701	9FJ0R60001255	J	1k	1/10W	AE
VR704	9FJ0R61001535	J	500	1/10W	AF
VR705	9FJ0R61001535	J	500	1/10W	AF

CAPACITORS

C701	9FJ0C50002910	J	4700p	500V	Ceramic	AE
⚠ C702	9FJ0C50010715	J	220p	1kV	Ceramic	AD
C703	9FJ0C50002015	J	0.01	50V	Ceramic	AB
C704	9FJ0C01510165	J	47	50V	Electrolytic	AC
C705	9FJ0C01510145	J	22	50V	Electrolytic	AC
C706	9FJ0C11001335	J	2200p	50V	M.Polyester	AB
C707	9FJ0C01510115	J	2.2	50V	Electrolytic	AC
C708	9FJ0C50003615	J	1500p	50V	Ceramic	AB
C709	9FJ0C50010705	J	470p	1kV	Ceramic	AD
C710	9FJ0C50002985	J	1000p	500V	Ceramic	AD
C711	9FJ0C01402183	J	820	35V	Electrolytic	AH
C712	9FJ0C01510165	J	47	50V	Electrolytic	AC
C713	9FJ0C50002985	J	1000p	500V	Ceramic	AD
C714	9FJ0C01101993	J	1800	10V	Electrolytic	AF
C715	9FJ0C01101993	J	1800	10V	Electrolytic	AF
C716	9FJ0C50002015	J	0.01	50V	Ceramic	AB
C717	9FJ0C01510165	J	47	50V	Electrolytic	AC
C719	9FJ0C01402193	J	470	35V	Electrolytic	AF

Ref. No.	Part No.	★	Description			Code

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POWER UNIT (Cotinued)

C720	9FJ0C01402193	J	470	35V	Electrolytic	AF
C721	9FJ0C01510165	J	47	50V	Electrolytic	AC
C722	9FJ0C01302085	J	470	25V	Electrolytic	AE
C723	9FJ0C01510165	J	47	50V	Electrolytic	AC
C724	9FJ0C50002635	J	0.047	50V	Ceramic	AC
C725	9FJ0C01101775	J	1000	10V	Electrolytic	AE
C726	9FJ0C50002015	J	0.01	50V	Ceramic	AB
C727	9FJ0C01101775	J	1000	10V	Electrolytic	AE
C728	9FJ0C50002635	J	0.047	50V	Ceramic	AC
⚠ C729	9FJ0C51001183	J	2200p	250V	Ceramic	AD
C730	9FJ0C50002635	J	0.047	50V	Ceramic	AC
C731	9FJ0C50003605	J	1000p	50V	Ceramic	AB
C732	9FJ0C01102005	J	220	10V	Electrolytic	AD

RESISTORS

R701	9FJ0R94201525	J	220k	1/2W	Chip	AC
R702	9FJ0R94201525	J	220k	1/2W	Chip	AC
R703	9FJ0R15080575	J	22	1/2W	Metal Oxide	AB
R704	9FJ0R15080735	J	100	1/2W	Metal Oxide	AB
R705	9FJ0R17071451	J	100k	2W	Metal Oxide	AC
R706	9FJ0R21001040	J	0.15	3W	Cement	AF
R707	9FJ0R91201235	J	820	1/10W	Chip	AB
R708	9FJ0R91201365	J	10k	1/10W	Chip	AB
R709	9FJ0R94201415	J	27k	1/2W	Chip	AC
R710	9FJ0R91201245	J	1.0k	1/10W	Chip	AB
R711	9FJ0R91201225	J	680	1/10W	Chip	AB
R712	9FJ0R91201285	J	2.2k	1/10W	Chip	AB
R713	9FJ0R91201335	J	5.6k	1/10W	Chip	AB
R714	9FJ0R91201305	J	3.3k	1/10W	Chip	AB
R715	9FJ0R91201325	J	4.7k	1/10W	Chip	AB
R716	9FJ0R91201665	J	5.1k	1/10W	Chip	AB
R717	9FJ0R91201135	J	120	1/10W	Chip	AB
R718	9FJ0R94201105	J	68	1/2W	Chip	AC
R719	9FJ0R91201245	J	1.0k	1/10W	Chip	AB
R720	9FJ0R91201005	J	10	1/10W	Chip	AB
R721	9FJ0R91201245	J	1.0k	1/10W	Chip	AB
R722	9FJ0R91201445	J	47k	1/10W	Chip	AB
R723	9FJ0R91201205	J	470	1/10W	Chip	AB
R724	9FJ0R91201285	J	2.2k	1/10W	Chip	AB
R725	9FJ0R91201365	J	10k	1/10W	Chip	AB
⚠ R727	9FJ0R16080095	J	0.22	1W	Metal Oxide	AB
R728	9FJ0R91201435	J	39k	1/10W	Chip	AB
R729	9FJ0R91201305	J	3.3k	1/10W	Chip	AB
R730	9FJ0R91202615	J	240	1/10W	Chip	AB
R731	9FJ0R91201165	J	220	1/10W	Chip	AB
R732	9FJ0R91201205	J	470	1/10W	Chip	AB

MISCELLANEOUS PARTS

⚠ TF701	9FJ0E03001080	J	Fuse 2A 250V, P100A	AE
	9FJ0G10011560	J	Connector B3P4VH (PF)	AE
	9FJ0I10007100	J	Connector X40SWE (EA)	AT
	9FJ0O00002360	J	Heat Sink	AH
	9FJ0O00002370	J	Heat Sink	AH
	9FJ0O00002380	J	Heat Sink	AL

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RDENC0288CEZZ

FILTER UNIT

INTEGRATED CIRCUIT

⚠ IC751	9FJ0F01910140	J	AN8032	AF

TRANSISTORS

⚠ Q751	9FJ0Q11001592	J	2SK2837	AU
Q752	9FJ0Q00001065	J	2SA1162	AC
Q753	9FJ0Q02001195	J	2SC2712	AC
Q754	9FJ0Q02001725	J	2SC4409	AE
Q755	9FJ0Q00001305	J	2SA1681	AE

DIODES

D751	9FJ0D01010195	J	Diode AU01V0	AD
D753	9FJ0D20001015	J	Diode 1SS184TE85	AC
D754	9FJ0D20001015	J	Diode 1SS184TE85	AC
D755	9FJ0D26010082	J	Diode FMG36S	AL
⚠ D756	9FJ0D13000160	J	Diode D5SB60	AK
ZD751	9FJ0D31103125	J	Zener Diode HZK3BLL	AD
ZD753	9FJ0D31103135	J	Zener Diode HZK18	AD
ZD754	9FJ0D31103155	J	Zener Diode HZK36L	AD

COILS

⚠ L751	9FJ0L05001380	J	TC25H1434R0	AM
⚠ L752	9FJ0L08001660	J	AFP10-60-080	AG
⚠ L753	9FJ0L08001650	J	800165	AR

CAPACITORS

⚠ C752	9FJ0C51001223	J	1000p	250V	Ceramic	AD
⚠ C753	9FJ0C51001223	J	1000p	250V	Ceramic	AD
⚠ C754	9FJ0C34010623	J	0.1	250V	M.Polyester	AE
⚠ C755	9FJ0C51001223	J	1000p	250V	Ceramic	AD
C756	9FJ0C32410020	J	1	250V	M.Polyester	AK
C757	9FJ0C32410040	J	2.2	250V	M.Polyester	AN
C759	9FJ0C01402205	J	100	35V	Electrolytic	AD
C760	9FJ0C50003585	J	4700p	50V	Ceramic(Chip)	AB
C761	9FJ0C50002035	J	0.1	50V	Ceramic	AC
C762	9FJ0C50003595	J	0.47	25V	Ceramic	AD
C763	9FJ0C50003605	J	1000p	50V	Ceramic(Chip)	AB
C764	9FJ0C50003455	J	470p	1kV	Ceramic	AK
C765	9FJ0C50003585	J	4700p	50V	Ceramic(Chip)	AB
C766	9FJ0C02801540	J	150	400V	Electrolytic	AQ
C767	9FJ0C50002035	J	0.1	50V	Ceramic	AC

RESISTORS

⚠ R751	9FJ0R11002110	J	470k	1W	Special	AC
⚠ R752	9FJ0R32001005	J	15M	1W	Metal Oxide	AE
R753	9FJ0R91201245	J	1.0k	1/10W	Chip	AB
R754	9FJ0R91001225	J	470k	1/10W	Chip	AB
R755	9FJ0R91001225	J	470k	1/10W	Chip	AB
R756	9FJ0R91001235	J	330k	1/10W	Chip	AB
R757	9FJ0R91001245	J	22k	1/10W	Chip	AB
R758	9FJ0R95201115	J	27k	1W	Chip	AD
R759	9FJ0R95201115	J	27k	1W	Chip	AD
R760	9FJ0R91201205	J	470	1/10W	Chip	AB
R761	9FJ0R91201245	J	1.0k	1/10W	Chip	AB
R762	9FJ0R91201365	J	10k	1/10W	Chip	AB
R763	9FJ0R91201445	J	47k	1/10W	Chip	AB
R765	9FJ0R91201325	J	4.7k	1/10W	Chip	AB
R767	9FJ0R91201395	J	18k	1/10W	Chip	AB
R768	9FJ0R91201605	J	1M	1/10W	Chip	AB
R769	9FJ0R94201125	J	100	1/2W	Chip	AB
R770	9FJ0R94201205	J	470	1/2W	Chip	AC
R771	9FJ0R91201185	J	330	1/10W	Chip	AB
R772	9FJ0R22100534	J	0.22	5W	Cement	AE
R773	9FJ0R17070491	J	10	2W	Metal Oxide	AC
R774	9FJ0R91001255	J	390k	1/10W	Chip	AB
R775	9FJ0R91001255	J	390k	1/10W	Chip	AB
R776	9FJ0R91001265	J	240k	1/10W	Chip	AB
R777	9FJ0R91001265	J	240k	1/10W	Chip	AB
R778	9FJ0R91001275	J	9.1k	1/10W	Chip	AB
R779	9FJ0R91001285	J	1M	1/10W	Chip	AB
R780	9FJ0R91001255	J	390k	1/10W	Chip	AB

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RDENC0288CEZZ
FILTER UNIT (Cotinued)

R781	9FJ0R91001255	J	390k 1/10W Chip	AB
R782	9FJ0R91001265	J	240k 1/10W Chip	AB
R783	9FJ0R91001265	J	240k 1/10W Chip	AB
R784	9FJ0R91001275	J	9.1k 1/10W Chip	AB
R785	9FJ0R95201115	J	27k 1W Chip	AD
R786	9FJ0R95201115	J	27k 1W Chip	AD
R787	9FJ0R94201005	J	10 1/2W Chip	AC
⚠ RT751	9FJ0R90001200	J	S2R2K10D295JiZLS	AF
⚠ RT752	9FJ0R90001200	J	S2R2K10D295JiZLS	AF
RT753	9FJ0R90001210	J	S5R1K12D315JiZLS	AF

MISCELLANEOUS PARTS

⚠ TF751	9FJ0E03001100	J	Fuse 2A 250V,P110A	AE
	9FJ0G10001750	J	3-pin (PA), B2P3-VH	AE
	9FJ0i10007130	J	Harness	AQ
	9FJ0i10007140	J	Harness	AM
	9FJ0O00002390	J	Heat Sink	AM

Ref. No.	Part No.	★	Description	Code

CPCi-0035CE02
PC I/F UNIT

INTEGRATED CIRCUITS

IC8001	RH-iX3270CEZZ	J	HD6417709	BH
IC8002	9DK001-15061	J	PST600IM	AL
IC8003	9DK001-11020	J	AT24C128N-10SC-1.8	AS
IC8005	9DK001-15027	J	NJM3403AV	AQ
IC8006	9DK001-12055	J	TC7WH241FU	AN
IC8007	9DK001-15061	J	PST600IM	AL
IC8009	9DK001-15067	J	CXA3286R	BG
IC8010	9DK001-15067	J	CXA3286R	BG
IC8011	9DK001-15067	J	CXA3286R	BG
IC8012	9DK001-12062	J	SN74CBT3244PW	AT
IC8013	9DK001-15053	J	TL431CPS	AL
IC8014	9DK001-15027	J	NJM3403AV	AQ
IC8015	9DK001-15028	J	ICS1522M	BS
IC8016	9DK001-12062	J	SN74CBT3244PW	AT
IC8017	9DK001-12062	J	SN74CBT3244PW	AT
IC8019	9DK001-15060	J	PST623XW	AP
IC8020	RH-iX3342CEZZ	J	GMZ2	BT
IC8021	9DK001-16063	J	MB88346BPFV	AR
IC8022	9DK001-12061	J	TC74HCT244AF	AQ
IC8023	9DK001-15012	J	LM6361M	AY
IC8024	9DK001-15053	J	TL431CPS	AL
IC8025	RH-iX3249CEZZ	J	MB87J1100	BU
IC8026	9DK001-12056	J	TC74LVX02FT	AL
IC8027	RH-iX3345CEZZ	J	LH28F320S3NS-L11	BL
IC8028	9DK001-11017	J	MSM51V18165D-60TS-K	BB
IC8029	RH-iX3250CEZZ	J	MB87J1110	BW
IC8030	9DK001-12062	J	SN74CBT3244PW	AT
IC8031	9DK001-12062	J	SN74CBT3244PW	AT
IC8032	9DK001-12062	J	SN74CBT3244PW	AT
IC8033	RH-iX3269CEZZ	J	RY5FD3KC	AW
IC8034	9DK001-15008	J	TL712CPS	AP
IC8035	9DK001-11018	J	MB81F161622B-70	BD
IC8036	9DK001-15008	J	TL712CPS	AP
IC8038	9DK001-11018	J	MB81F161622B-70	BD
IC8039	9DK001-11018	J	MB81F161622B-70	BD
IC8040	9DK001-15062	J	LM4040CIM3-4.1	AS
IC8046	9DK001-11019	J	MB81F161622B-80	BC
IC8048	RH-iX3293CEZZ	J	MBCG61394-106	BC
IC8051	9DK001-15065	J	CXD2309Q	BC
IC8052	9DK001-12055	J	TC7WH241FU	AN
IC8053	9DK001-12057	J	TC74LVX86FT	AM
IC8054	9DK001-12055	J	TC7WH241FU	AN
IC8055	9DK001-12063	J	TC74LVX174FT	AL
IC8056	9DK001-12058	J	HD74LVC00T	AK
IC8057	9DK001-12059	J	TC74LCX04FT	AM
IC8060	9DK001-12056	J	TC74LVX02FT	AL
IC8062	9DK001-15038	J	PQ05TZ11	AR
IC8063	9DK001-12064	J	TC74ACT157FT	AR
IC8065	9DK001-15066	J	LM2202M20B	AX
IC8066	9DK001-15066	J	LM2202M20B	AX
IC8067	9DK001-15066	J	LM2202M20B	AX
IC8070	9DK001-20026	J	UPA103G	BA
IC8071	9DK001-20026	J	UPA103G	BA
IC8072	9DK001-15068	J	UPD5555G	AQ
IC8073	9DK001-12065	J	TC7S04FU	AG
IC8074	9DK001-15027	J	NJM3403AV	AQ

TRANSISTORS

Q8001	9DK001-20024	J	HN1C01F	AF
Q8005	9DK001-20015	J	2SC3735(B35)	AF
Q8007	9DK001-20015	J	2SC3735(B35)	AF
Q8009	9DK001-20015	J	2SC3735(B35)	AF
Q8010	9DK001-20012	J	2SA1037KQ	AE
Q8011	9DK001-20011	J	2SC2412KQ	AE
Q8012	9DK001-20025	J	IMB3A	AE

DIODES

D8001	9DK001-30001	J	1SS193(F3)	AC
D8002	9DK001-30001	J	1SS193(F3)	AC
D8003	9DK001-30001	J	1SS193(F3)	AC
D8004	9DK001-30001	J	1SS193(F3)	AC

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PC I/F UNIT (Cotinued)

Ref. No.	Part No.	★	Description	Code
D8005	9DK001-30001	J	1SS193(F3)	AC
D8006	9DK001-30013	J	1SS362	AD
D8007	9DK001-30013	J	1SS362	AD
			PACKAGED CIRCUITS	
X8001	9DK001-80012	J	Crystal, 6MHz	AN
X8002	9DK001-80015	J	Crystal, 32.768kHz	AS
X8003	9DK001-80011	J	Crystal, 1.8432MHz	AS
X8004	9DK001-80013	J	Crystal, 22.165MHz	AN
X8005	9DK001-80014	J	Crystal, 16.25MHz	AN
			FILTERS	
FL8002	9DK001-82020	J	Filter, BMK351	AG
FL8003	9DK001-82020	J	Filter, BMK351	AG
FL8004	9DK001-82020	J	Filter, BMK351	AG
FL8005	9DK001-82020	J	Filter, BMK351	AG
FL8006	9DK001-82020	J	Filter, BMK351	AG
FL8009	9DK001-82020	J	Filter, BMK351	AG
FL8010	9DK001-82020	J	Filter, BMK351	AG
FL8011	9DK001-82020	J	Filter, BMK351	AG
FL8012	9DK001-82020	J	Filter, BMK351	AG
FL8013	9DK001-82020	J	Filter, BMK351	AG
FL8014	9DK001-82020	J	Filter, BMK351	AG
FL8020	9DK001-82020	J	Filter, BMK351	AG
FL8021	9DK001-82020	J	Filter, BMK351	AG
FL8022	9DK001-82020	J	Filter, BMK351	AG
FL8023	9DK001-82020	J	Filter, BMK351	AG
FL8026	9DK001-82020	J	Filter, BMK351	AG
FL8027	9DK001-82020	J	Filter, BMK351	AG
FL8028	9DK001-82020	J	Filter, BMK351	AG
FL8029	9DK001-82020	J	Filter, BMK351	AG
FL8030	9DK001-82020	J	Filter, BMK351	AG
FL8031	9DK001-82020	J	Filter, BMK351	AG
FL8032	9DK001-82020	J	Filter, BMK351	AG
FL8034	9DK001-82020	J	Filter, BMK351	AG
FL8035	9DK001-82020	J	Filter, BMK351	AG
FL8036	9DK001-82020	J	Filter, BMK351	AG
FL8037	9DK001-82020	J	Filter, BMK351	AG
FL8039	9DK001-82020	J	Filter, BMK351	AG
FL8040	9DK001-82020	J	Filter, BMK351	AG
FL8041	9DK001-82020	J	Filter, BMK351	AG
FL8042	9DK001-82020	J	Filter, BMK351	AG
FL8047	9DK001-82020	J	Filter, BMK351	AG
FL8048	9DK001-82020	J	Filter, BMK351	AG
FL8049	9DK001-82020	J	Filter, BMK351	AG
FL8050	9DK001-82020	J	Filter, BMK351	AG
FL8051	9DK001-82020	J	Filter, BMK351	AG
FL8053	9DK001-82020	J	Filter, BMK351	AG
FL8054	9DK001-82020	J	Filter, BMK351	AG
FL8055	9DK001-82020	J	Filter, BMK351	AG
FL8056	9DK001-82020	J	Filter, BMK351	AG
FL8057	9DK001-82020	J	Filter, BMK351	AG
FL8058	9DK001-82020	J	Filter, BMK351	AG
			COILS	
FL8059	9DK001-81050	J	Coil, 68µH NLC322522T	AG
FL8062	9DK001-81050	J	Coil, 68µH NLC322522T	AG
FL8067	9DK001-81050	J	Coil, 68µH NLC322522T	AG
L8001	9DK001-81050	J	Coil, 68µH NLC322522T	AG
L8002	9DK001-81050	J	Coil, 68µH NLC322522T	AG
L8003	9DK001-81050	J	Coil, 68µH NLC322522T	AG
L8004	9DK001-81050	J	Coil, 68µH NLC322522T	AG
L8005	9DK001-81050	J	Coil, 68µH NLC322522T	AG
L8006	9DK001-81050	J	Coil, 68µH NLC322522T	AG
			CAPACITORS	
C8001	9DK001-42094	J	0.1 25V Ceramic	AC
C8002	9DK001-42094	J	0.1 25V Ceramic	AC
C8004	9DK001-42094	J	0.1 25V Ceramic	AC
C8005	9DK001-42094	J	0.1 25V Ceramic	AC
C8006	9DK001-42096	J	0.01 50V Ceramic	AC
C8007	9DK001-42096	J	0.01 50V Ceramic	AC
C8008	9DK001-42096	J	0.01 50V Ceramic	AC
C8009	9DK001-42096	J	0.01 50V Ceramic	AC
C8012	9DK001-42103	J	15p 50V Ceramic	AC
C8013	9DK001-42103	J	15p 50V Ceramic	AC
C8014	9DK001-42096	J	0.01 50V Ceramic	AC
C8015	9DK001-42103	J	15p 50V Ceramic	AC
C8016	9DK001-42103	J	15p 50V Ceramic	AC
C8017	9DK001-42096	J	0.01 50V Ceramic	AC
C8018	9DK001-42096	J	0.01 50V Ceramic	AC
C8019	9DK001-42104	J	470p 50V Ceramic	AC
C8020	9DK001-42104	J	470p 50V Ceramic	AC
C8021	9DK001-42096	J	0.01 50V Ceramic	AC
C8022	9DK001-42096	J	0.01 50V Ceramic	AC
C8023	9DK001-42096	J	0.01 50V Ceramic	AC
C8024	9DK001-40077	J	10 16V Electrolytic	AF
C8025	9DK001-42096	J	0.01 50V Ceramic	AC
C8026	9DK001-42096	J	0.01 50V Ceramic	AC
C8027	9DK001-42096	J	0.01 50V Ceramic	AC
C8028	9DK001-42096	J	0.01 50V Ceramic	AC
C8029	9DK001-42096	J	0.01 50V Ceramic	AC
C8030	9DK001-42105	J	0.047 50V Ceramic	AC
C8031	9DK001-42094	J	0.1 25V Ceramic	AC
C8032	9DK001-42094	J	0.1 25V Ceramic	AC
C8033	9DK001-42094	J	0.1 25V Ceramic	AC
C8034	9DK001-42096	J	0.01 50V Ceramic	AC
C8035	9DK001-42096	J	0.01 50V Ceramic	AC
C8036	9DK001-42096	J	0.01 50V Ceramic	AC
C8037	9DK001-42096	J	0.01 50V Ceramic	AC
C8038	9DK001-42096	J	0.01 50V Ceramic	AC
C8039	9DK001-42094	J	0.1 25V Ceramic	AC
C8040	9DK001-42096	J	0.01 50V Ceramic	AC
C8041	9DK001-42096	J	0.01 50V Ceramic	AC
C8042	9DK001-42096	J	0.01 50V Ceramic	AC
C8043	9DK001-42096	J	0.01 50V Ceramic	AC
C8044	9DK001-42096	J	0.01 50V Ceramic	AC
C8045	9DK001-42096	J	0.01 50V Ceramic	AC
C8046	9DK001-42096	J	0.01 50V Ceramic	AC
C8047	9DK001-40089	J	47 6.3V Electrolytic	AE
C8048	9DK001-42096	J	0.01 50V Ceramic	AC
C8049	9DK001-42096	J	0.01 50V Ceramic	AC
C8050	9DK001-42096	J	0.01 50V Ceramic	AC
C8051	9DK001-42096	J	0.01 50V Ceramic	AC
C8052	9DK001-42096	J	0.01 50V Ceramic	AC
C8053	9DK001-42096	J	0.01 50V Ceramic	AC
C8054	9DK001-42096	J	0.01 50V Ceramic	AC
C8055	9DK001-42096	J	0.01 50V Ceramic	AC
C8056	9DK001-42096	J	0.01 50V Ceramic	AC
C8059	9DK001-40080	J	100 6.3V Electrolytic	AF
C8060	9DK001-42096	J	0.01 50V Ceramic	AC
C8061	9DK001-43018	J	10 16V Tantalum	AH
C8062	9DK001-42096	J	0.01 50V Ceramic	AC
C8068	9DK001-42096	J	0.01 50V Ceramic	AC
C8069	9DK001-43018	J	10 16V Tantalum	AH
C8070	9DK001-42096	J	0.01 50V Ceramic	AC
C8076	9DK001-42096	J	0.01 50V Ceramic	AC
C8077	9DK001-43018	J	10 16V Tantalum	AH
C8078	9DK001-42096	J	0.01 50V Ceramic	AC
C8084	9DK001-42096	J	0.01 50V Ceramic	AC
C8091	9DK001-42096	J	0.01 50V Ceramic	AC
C8092	9DK001-40089	J	47 6.3V Electrolytic	AE
C8093	9DK001-42096	J	0.01 50V Ceramic	AC
C8094	9DK001-40093	J	0.47 50V Elect.(N.P)	AE
C8095	9DK001-42094	J	0.1 25V Ceramic	AC
C8096	9DK001-42102	J	2200p 50V Ceramic	AC
C8097	9DK001-40077	J	10 16V Electrolytic	AF
C8098	9DK001-42094	J	0.1 25V Ceramic	AC
C8099	9DK001-42094	J	0.1 25V Ceramic	AC
C8100	9DK001-42094	J	0.1 25V Ceramic	AC
C8101	9DK001-42094	J	0.1 25V Ceramic	AC
C8102	9DK001-40077	J	10 16V Electrolytic	AF
C8103	9DK001-40077	J	10 16V Electrolytic	AF
C8104	9DK001-42096	J	0.01 50V Ceramic	AC
C8106	9DK001-40077	J	10 16V Electrolytic	AF
C8107	9DK001-40074	J	1 50V Electrolytic	AF
C8108	9DK001-42094	J	0.1 25V Ceramic	AC
C8109	9DK001-42094	J	0.1 25V Ceramic	AC

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Ref. No.	Part No.	★			Description	Code
C8110	9DK001-42094	J	0.1	25V	Ceramic	AC
C8111	9DK001-42096	J	0.01	50V	Ceramic	AC
C8113	9DK001-42094	J	0.1	25V	Ceramic	AC
C8114	9DK001-42096	J	0.01	50V	Ceramic	AC
C8115	9DK001-42094	J	0.1	25V	Ceramic	AC
C8116	9DK001-42094	J	0.1	25V	Ceramic	AC
C8117	9DK001-42094	J	0.1	25V	Ceramic	AC
C8118	9DK001-42096	J	0.01	50V	Ceramic	AC
C8119	9DK001-40074	J	1	50V	Electrolytic	AF
C8120	9DK001-42094	J	0.1	25V	Ceramic	AC
C8121	9DK001-42096	J	0.01	50V	Ceramic	AC
C8123	9DK001-40077	J	10	16V	Electrolytic	AF
C8124	9DK001-40077	J	10	16V	Electrolytic	AF
C8125	9DK001-42096	J	0.01	50V	Ceramic	AC
C8126	9DK001-42096	J	0.01	50V	Ceramic	AC
C8129	9DK001-40077	J	10	16V	Electrolytic	AF
C8130	9DK001-40077	J	10	16V	Electrolytic	AF
C8131	9DK001-40074	J	1	50V	Electrolytic	AF
C8132	9DK001-40074	J	1	50V	Electrolytic	AF
C8133	9DK001-42094	J	0.1	25V	Ceramic	AC
C8134	9DK001-42094	J	0.1	25V	Ceramic	AC
C8135	9DK001-42094	J	0.1	25V	Ceramic	AC
C8136	9DK001-42094	J	0.1	25V	Ceramic	AC
C8137	9DK001-42094	J	0.1	25V	Ceramic	AC
C8138	9DK001-42094	J	0.1	25V	Ceramic	AC
C8139	9DK001-42096	J	0.01	50V	Ceramic	AC
C8140	9DK001-42096	J	0.01	50V	Ceramic	AC
C8141	9DK001-42094	J	0.1	25V	Ceramic	AC
C8142	9DK001-42096	J	0.01	50V	Ceramic	AC
C8143	9DK001-42094	J	0.1	25V	Ceramic	AC
C8144	9DK001-42096	J	0.01	50V	Ceramic	AC
C8145	9DK001-42094	J	0.1	25V	Ceramic	AC
C8146	9DK001-42094	J	0.1	25V	Ceramic	AC
C8147	9DK001-42094	J	0.1	25V	Ceramic	AC
C8148	9DK001-42094	J	0.1	25V	Ceramic	AC
C8149	9DK001-42094	J	0.1	25V	Ceramic	AC
C8150	9DK001-42094	J	0.1	25V	Ceramic	AC
C8151	9DK001-40074	J	1	50V	Electrolytic	AF
C8152	9DK001-40074	J	1	50V	Electrolytic	AF
C8153	9DK001-42096	J	0.01	50V	Ceramic	AC
C8154	9DK001-42096	J	0.01	50V	Ceramic	AC
C8155	9DK001-42096	J	0.01	50V	Ceramic	AC
C8156	9DK001-42096	J	0.01	50V	Ceramic	AC
C8157	9DK001-42110	J	6800p	50V	Ceramic	AB
C8158	9DK001-42104	J	470p	50V	Ceramic	AC
C8159	9DK001-42096	J	0.01	50V	Ceramic	AC
C8160	9DK001-40077	J	10	16V	Electrolytic	AF
C8161	9DK001-40077	J	10	16V	Electrolytic	AF
C8162	9DK001-42096	J	0.01	50V	Ceramic	AC
C8163	9DK001-42096	J	0.01	50V	Ceramic	AC
C8165	9DK001-42096	J	0.01	50V	Ceramic	AC
C8166	9DK001-42096	J	0.01	50V	Ceramic	AC
C8167	9DK001-42096	J	0.01	50V	Ceramic	AC
C8168	9DK001-42096	J	0.01	50V	Ceramic	AC
C8169	9DK001-42096	J	0.01	50V	Ceramic	AC
C8170	9DK001-42096	J	0.01	50V	Ceramic	AC
C8171	9DK001-42096	J	0.01	50V	Ceramic	AC
C8174	9DK001-42096	J	0.01	50V	Ceramic	AC
C8175	9DK001-42096	J	0.01	50V	Ceramic	AC
C8176	9DK001-42096	J	0.01	50V	Ceramic	AC
C8177	9DK001-42096	J	0.01	50V	Ceramic	AC
C8178	9DK001-42096	J	0.01	50V	Ceramic	AC
C8179	9DK001-42096	J	0.01	50V	Ceramic	AC
C8180	9DK001-42096	J	0.01	50V	Ceramic	AC
C8181	9DK001-42096	J	0.01	50V	Ceramic	AC
C8182	9DK001-42096	J	0.01	50V	Ceramic	AC
C8185	9DK001-42096	J	0.01	50V	Ceramic	AC
C8186	9DK001-42096	J	0.01	50V	Ceramic	AC
C8187	9DK001-42096	J	0.01	50V	Ceramic	AC
C8188	9DK001-40089	J	47	6.3V	Electrolytic	AE
C8189	9DK001-40091	J	100	4V	Electrolytic	AF
C8190	9DK001-42096	J	0.01	50V	Ceramic	AC
C8191	9DK001-42096	J	0.01	50V	Ceramic	AC
C8192	9DK001-42096	J	0.01	50V	Ceramic	AC
C8193	9DK001-42096	J	0.01	50V	Ceramic	AC
C8194	9DK001-42096	J	0.01	50V	Ceramic	AC
C8195	9DK001-42096	J	0.01	50V	Ceramic	AC
C8196	9DK001-42096	J	0.01	50V	Ceramic	AC
C8197	9DK001-42096	J	0.01	50V	Ceramic	AC
C8198	9DK001-42096	J	0.01	50V	Ceramic	AC
C8200	9DK001-42096	J	0.01	50V	Ceramic	AC
C8202	9DK001-42096	J	0.01	50V	Ceramic	AC
C8205	9DK001-42096	J	0.01	50V	Ceramic	AC
C8206	9DK001-42096	J	0.01	50V	Ceramic	AC
C8207	9DK001-42096	J	0.01	50V	Ceramic	AC
C8208	9DK001-42096	J	0.01	50V	Ceramic	AC
C8209	9DK001-42096	J	0.01	50V	Ceramic	AC
C8210	9DK001-42096	J	0.01	50V	Ceramic	AC
C8211	9DK001-42096	J	0.01	50V	Ceramic	AC
C8212	9DK001-42096	J	0.01	50V	Ceramic	AC
C8213	9DK001-42096	J	0.01	50V	Ceramic	AC
C8214	9DK001-42096	J	0.01	50V	Ceramic	AC
C8215	9DK001-42096	J	0.01	50V	Ceramic	AC
C8216	9DK001-42103	J	15p	50V	Ceramic	AC
C8217	9DK001-42096	J	0.01	50V	Ceramic	AC
C8218	9DK001-42096	J	0.01	50V	Ceramic	AC
C8219	9DK001-42096	J	0.01	50V	Ceramic	AC
C8220	9DK001-42103	J	15p	50V	Ceramic	AC
C8221	9DK001-42096	J	0.01	50V	Ceramic	AC
C8222	9DK001-42096	J	0.01	50V	Ceramic	AC
C8223	9DK001-42096	J	0.01	50V	Ceramic	AC
C8224	9DK001-42096	J	0.01	50V	Ceramic	AC
C8225	9DK001-42096	J	0.01	50V	Ceramic	AC
C8226	9DK001-40089	J	47	6.3V	Electrolytic	AE
C8227	9DK001-42096	J	0.01	50V	Ceramic	AC
C8228	9DK001-42096	J	0.01	50V	Ceramic	AC
C8229	9DK001-42096	J	0.01	50V	Ceramic	AC
C8230	9DK001-42096	J	0.01	50V	Ceramic	AC
C8231	9DK001-42096	J	0.01	50V	Ceramic	AC
C8232	9DK001-42096	J	0.01	50V	Ceramic	AC
C8233	9DK001-42096	J	0.01	50V	Ceramic	AC
C8234	9DK001-42096	J	0.01	50V	Ceramic	AC
C8238	9DK001-40089	J	47	6.3V	Electrolytic	AE
C8239	9DK001-40091	J	100	4V	Electrolytic	AF
C8240	9DK001-42096	J	0.01	50V	Ceramic	AC
C8242	9DK001-42096	J	0.01	50V	Ceramic	AC
C8243	9DK001-42096	J	0.01	50V	Ceramic	AC
C8244	9DK001-42096	J	0.01	50V	Ceramic	AC
C8245	9DK001-42096	J	0.01	50V	Ceramic	AC
C8246	9DK001-42096	J	0.01	50V	Ceramic	AC
C8247	9DK001-42096	J	0.01	50V	Ceramic	AC
C8248	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8249	9DK001-42094	J	0.1	25V	Ceramic	AC
C8250	9DK001-42096	J	0.01	50V	Ceramic	AC
C8251	9DK001-42096	J	0.01	50V	Ceramic	AC
C8252	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8253	9DK001-42094	J	0.1	25V	Ceramic	AC
C8254	9DK001-42096	J	0.01	50V	Ceramic	AC
C8255	9DK001-40092	J	220	4V	Electrolytic	AF
C8256	9DK001-42094	J	0.1	25V	Ceramic	AC
C8257	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8258	9DK001-42094	J	0.1	25V	Ceramic	AC
C8259	9DK001-42103	J	15p	50V	Ceramic	AC
C8260	9DK001-42096	J	0.01	50V	Ceramic	AC
C8261	9DK001-42096	J	0.01	50V	Ceramic	AC
C8262	9DK001-42096	J	0.01	50V	Ceramic	AC
C8263	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8264	9DK001-42094	J	0.1	25V	Ceramic	AC
C8265	9DK001-42103	J	15p	50V	Ceramic	AC
C8266	9DK001-42096	J	0.01	50V	Ceramic	AC
C8267	9DK001-42096	J	0.01	50V	Ceramic	AC
C8268	9DK001-42096	J	0.01	50V	Ceramic	AC
C8269	9DK001-40079	J	47	16V	Electrolytic	AG
C8270	9DK001-42094	J	0.1	25V	Ceramic	AC
C8271	9DK001-42096	J	0.01	50V	Ceramic	AC
C8272	9DK001-42096	J	0.01	50V	Ceramic	AC
C8273	9DK001-42096	J	0.01	50V	Ceramic	AC
C8274	9DK001-40081	J	22	6.3V	Electrolytic	AF

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Ref. No.	Part No.	★			Description	Code
C8275	9DK001-42094	J	0.1	25V	Ceramic	AC
C8276	9DK001-42096	J	0.01	50V	Ceramic	AC
C8277	9DK001-42096	J	0.01	50V	Ceramic	AC
C8278	9DK001-42096	J	0.01	50V	Ceramic	AC
C8279	9DK001-42096	J	0.01	50V	Ceramic	AC
C8280	9DK001-42096	J	0.01	50V	Ceramic	AC
C8281	9DK001-42096	J	0.01	50V	Ceramic	AC
C8282	9DK001-42096	J	0.01	50V	Ceramic	AC
C8283	9DK001-42096	J	0.01	50V	Ceramic	AC
C8284	9DK001-42096	J	0.01	50V	Ceramic	AC
C8285	9DK001-42096	J	0.01	50V	Ceramic	AC
C8286	9DK001-42096	J	0.01	50V	Ceramic	AC
C8289	9DK001-42096	J	0.01	50V	Ceramic	AC
C8294	9DK001-42096	J	0.01	50V	Ceramic	AC
C8295	9DK001-42096	J	0.01	50V	Ceramic	AC
C8296	9DK001-42096	J	0.01	50V	Ceramic	AC
C8297	9DK001-42096	J	0.01	50V	Ceramic	AC
C8298	9DK001-42096	J	0.01	50V	Ceramic	AC
C8299	9DK001-42096	J	0.01	50V	Ceramic	AC
C8300	9DK001-42096	J	0.01	50V	Ceramic	AC
C8301	9DK001-42096	J	0.01	50V	Ceramic	AC
C8304	9DK001-42096	J	0.01	50V	Ceramic	AC
C8305	9DK001-42096	J	0.01	50V	Ceramic	AC
C8306	9DK001-42096	J	0.01	50V	Ceramic	AC
C8307	9DK001-42096	J	0.01	50V	Ceramic	AC
C8308	9DK001-42096	J	0.01	50V	Ceramic	AC
C8309	9DK001-42096	J	0.01	50V	Ceramic	AC
C8310	9DK001-42096	J	0.01	50V	Ceramic	AC
C8311	9DK001-42096	J	0.01	50V	Ceramic	AC
C8316	9DK001-42096	J	0.01	50V	Ceramic	AC
C8317	9DK001-42096	J	0.01	50V	Ceramic	AC
C8318	9DK001-42096	J	0.01	50V	Ceramic	AC
C8319	9DK001-42096	J	0.01	50V	Ceramic	AC
C8320	9DK001-42096	J	0.01	50V	Ceramic	AC
C8321	9DK001-42096	J	0.01	50V	Ceramic	AC
C8322	9DK001-42096	J	0.01	50V	Ceramic	AC
C8323	9DK001-42096	J	0.01	50V	Ceramic	AC
C8324	9DK001-42096	J	0.01	50V	Ceramic	AC
C8325	9DK001-42096	J	0.01	50V	Ceramic	AC
C8326	9DK001-42096	J	0.01	50V	Ceramic	AC
C8327	9DK001-42096	J	0.01	50V	Ceramic	AC
C8328	9DK001-42096	J	0.01	50V	Ceramic	AC
C8329	9DK001-42096	J	0.01	50V	Ceramic	AC
C8330	9DK001-42096	J	0.01	50V	Ceramic	AC
C8331	9DK001-42096	J	0.01	50V	Ceramic	AC
C8332	9DK001-42096	J	0.01	50V	Ceramic	AC
C8336	9DK001-42096	J	0.01	50V	Ceramic	AC
C8337	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8339	9DK001-42096	J	0.01	50V	Ceramic	AC
C8341	9DK001-42094	J	0.1	25V	Ceramic	AC
C8342	9DK001-42111	J	1	10V	Ceramic	AB
C8343	9DK001-42094	J	0.1	25V	Ceramic	AC
C8344	9DK001-40077	J	10	16V	Electrolytic	AF
C8345	9DK001-42094	J	0.1	25V	Ceramic	AC
C8346	9DK001-42096	J	0.01	50V	Ceramic	AC
C8347	9DK001-42096	J	0.01	50V	Ceramic	AC
C8348	9DK001-42096	J	0.01	50V	Ceramic	AC
C8349	9DK001-42096	J	0.01	50V	Ceramic	AC
C8350	9DK001-42096	J	0.01	50V	Ceramic	AC
C8354	9DK001-42096	J	0.01	50V	Ceramic	AC
C8355	9DK001-42101	J	220p	50V	Ceramic	AC
C8356	9DK001-42094	J	0.1	25V	Ceramic	AC
C8358	9DK001-40089	J	47	6.3V	Electrolytic	AE
C8359	9DK001-42094	J	0.1	25V	Ceramic	AC
C8360	9DK001-42094	J	0.1	25V	Ceramic	AC
C8361	9DK001-40089	J	47	6.3V	Electrolytic	AE
C8362	9DK001-42094	J	0.1	25V	Ceramic	AC
C8365	9DK001-42066	J	0.01	50V	Ceramic	AC
C8366	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8367	9DK001-40092	J	220	4V	Electrolytic	AF
C8368	9DK001-40090	J	47	4V	Electrolytic	AF
C8369	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8370	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8371	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8372	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8373	9DK001-40090	J	47	4V	Electrolytic	AF
C8374	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8375	9DK001-40092	J	220	4V	Electrolytic	AF
C8376	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8377	9DK001-42094	J	0.1	25V	Ceramic	AC
C8378	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8379	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8380	9DK001-42096	J	0.01	50V	Ceramic	AC
C8381	9DK001-42109	J	4700p	50V	Ceramic	AB
C8382	9DK001-42094	J	0.1	25V	Ceramic	AC
C8383	9DK001-40081	J	22	6.3V	Electrolytic	AF
C8384	9DK001-42094	J	0.1	25V	Ceramic	AC
C8385	9DK001-40079	J	47	16V	Electrolytic	AG
C8386	9DK001-42094	J	0.1	25V	Ceramic	AC
C8387	9DK001-42109	J	4700p	50V	Ceramic	AB
C8388	9DK001-42096	J	0.01	50V	Ceramic	AC
C8389	9DK001-42096	J	0.01	50V	Ceramic	AC
C8390	9DK001-42109	J	4700p	50V	Ceramic	AB
C8391	9DK001-42094	J	0.1	25V	Ceramic	AC
C8392	9DK001-40081	J	22	6.3V	Electrolytic	AF
C8393	9DK001-40079	J	47	16V	Electrolytic	AG
C8394	9DK001-42094	J	0.1	25V	Ceramic	AC
C8395	9DK001-42094	J	0.1	25V	Ceramic	AC
C8396	9DK001-42109	J	4700p	50V	Ceramic	AB
C8397	9DK001-42096	J	0.01	50V	Ceramic	AC
C8398	9DK001-42096	J	0.01	50V	Ceramic	AC
C8399	9DK001-42109	J	4700p	50V	Ceramic	AB
C8400	9DK001-42094	J	0.1	25V	Ceramic	AC
C8401	9DK001-40081	J	22	6.3V	Electrolytic	AF
C8402	9DK001-42094	J	0.1	25V	Ceramic	AC
C8403	9DK001-40079	J	47	16V	Electrolytic	AG
C8404	9DK001-42094	J	0.1	25V	Ceramic	AC
C8405	9DK001-42109	J	4700p	50V	Ceramic	AB
C8406	9DK001-42094	J	0.1	25V	Ceramic	AC
C8407	9DK001-42096	J	0.01	50V	Ceramic	AC
C8408	9DK001-40079	J	47	16V	Electrolytic	AG
C8410	9DK001-40079	J	47	16V	Electrolytic	AG
C8411	9DK001-42094	J	0.1	25V	Ceramic	AC
C8412	9DK001-42094	J	0.1	25V	Ceramic	AC
C8413	9DK001-42094	J	0.1	25V	Ceramic	AC
C8414	9DK001-42094	J	0.1	25V	Ceramic	AC
C8415	9DK001-42094	J	0.1	25V	Ceramic	AC
C8416	9DK001-42094	J	0.1	25V	Ceramic	AC
C8417	9DK001-42094	J	0.1	25V	Ceramic	AC
C8418	9DK001-42094	J	0.1	25V	Ceramic	AC
C8419	9DK001-42108	J	5p	50V	Ceramic	AB
C8420	9DK001-42108	J	5p	50V	Ceramic	AB
C8421	9DK001-42108	J	5p	50V	Ceramic	AB
C8422	9DK001-42108	J	5p	50V	Ceramic	AB
C8423	9DK001-42096	J	0.01	50V	Ceramic	AC
C8424	9DK001-42096	J	0.01	50V	Ceramic	AC
C8425	9DK001-42096	J	0.01	50V	Ceramic	AC
C8427	9DK001-42096	J	0.01	50V	Ceramic	AC
C8428	9DK001-42107	J	0.1	16V	Chip 3225	AC
C8434	9DK001-42096	J	0.01	50V	Ceramic	AC
C8450	9DK001-42094	J	0.1	25V	Ceramic	AC
C8451	9DK001-42112	J	33p	50V	Ceramic	AB
C8452	9DK001-42112	J	33p	50V	Ceramic	AB
C8453	9DK001-42112	J	33p	50V	Ceramic	AB
C8460	9DK001-42094	J	0.1	25V	Ceramic	AC
C8461	9DK001-42113	J	4.7	10V	Ceramic	AB
C8470	9DK001-42121	J	0.01	50V	Ceramic	
C8471	9DK001-42121	J	0.01	50V	Ceramic	
C8472	9DK001-42121	J	0.01	50V	Ceramic	

RESISTORS

FB8004	9DK001-50149	J	0	1/16W	Chip 1608	AB
FB8005	9DK001-50149	J	0	1/16W	Chip 1608	AB
FB8006	9DK001-50149	J	0	1/16W	Chip 1608	AB
FB8007	9DK001-50149	J	0	1/16W	Chip 1608	AB
FB8008	9DK001-50149	J	0	1/16W	Chip 1608	AB
FB8009	9DK001-50149	J	0	1/16W	Chip 1608	AB
FL8001	9DK001-50110	J	0	1/10W	Chip 2125	AB

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Ref. No.	Part No.	★			Description	Code
FL8024	9DK001-50110	J	0	1/10W	Chip 2125	AB
FL8025	9DK001-50110	J	0	1/10W	Chip 2125	AB
FL8033	9DK001-50110	J	0	1/10W	Chip 2125	AB
FL8038	9DK001-50110	J	0	1/10W	Chip 2125	AB
FL8043	9DK001-50110	J	0	1/10W	Chip 2125	AB
FL8044	9DK001-50110	J	0	1/10W	Chip 2125	AB
FL8045	9DK001-50110	J	0	1/10W	Chip 2125	AB
FL8046	9DK001-50110	J	0	1/10W	Chip 2125	AB
R8001	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8002	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8003	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8004	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8005	9DK001-50163	J	68	1/16W	Chip 1608	AA
R8006	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8007	9DK001-50209	J	27k	1/16W	Chip 1608	AA
R8009	9DK001-50204	J	150	1/16W	Chip 1608	AA
R8010	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8011	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8012	9DK001-50207	J	6.8k	1/16W	Chip 1608	AA
R8013	9DK001-50207	J	6.8k	1/16W	Chip 1608	AA
R8014	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8015	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8016	9DK001-50198	J	1.69k	1/16W	Chip 1608	AB
R8017	9DK001-50210	J	33k	1/16W	Chip 1608	AA
R8018	9DK001-50199	J	2.15k	1/16W	Chip 1608	AB
R8019	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8020	9DK001-50113	J	0	1/4W	Chip 3216	AB
R8021	9DK001-50113	J	0	1/4W	Chip 3216	AB
R8022	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8023	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8025	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8027	9DK001-50209	J	27k	1/16W	Chip 1608	AA
R8028	9DK001-50183	J	4.7k	1/16W	Chip 1608	AA
R8033	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8034	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8035	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8036	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8037	9DK001-51032	J	47k	1/16W	Resistor Array	AD
R8038	9DK001-51032	J	47k	1/16W	Resistor Array	AD
R8040	9DK001-50163	J	68	1/16W	Chip 1608	AA
R8041	9DK001-51032	J	47k	1/16W	Resistor Array	AD
R8042	9DK001-51032	J	47k	1/16W	Resistor Array	AD
R8043	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8044	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8045	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8046	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8047	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8048	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8049	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8050	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8051	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8052	9DK001-51032	J	47k	1/16W	Resistor Array	AD
R8053	9DK001-51032	J	47k	1/16W	Resistor Array	AD
R8054	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8055	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8056	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8057	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8058	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8059	9DK001-51032	J	47k	1/16W	Resistor Array	AD
R8060	9DK001-51032	J	47k	1/16W	Resistor Array	AD
R8061	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8062	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8063	9DK001-51032	J	47k	1/16W	Resistor Array	AD
R8064	9DK001-51032	J	47k	1/16W	Resistor Array	AD
R8065	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8066	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8067	9DK001-51032	J	47k	1/16W	Resistor Array	AD
R8068	9DK001-51032	J	47k	1/16W	Resistor Array	AD
R8070	9DK001-50149	J	0	1/16W	Chip 1608	AB
R8071	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8072	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8074	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8075	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8076	9DK001-50224	J	150	1/4W	Chip 3216	AB
R8077	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8080	9DK001-50111	J	75	1/4W	Chip 3216	AB
R8082	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8083	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8084	9DK001-50224	J	150	1/4W	Chip 3216	AB
R8085	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8088	9DK001-50111	J	75	1/4W	Chip 3216	AB
R8090	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8091	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8092	9DK001-50224	J	150	1/4W	Chip 3216	AB
R8093	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8096	9DK001-50111	J	75	1/4W	Chip 3216	AB
R8097	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8100	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8101	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8104	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8105	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8107	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8109	9DK001-50202	J	51	1/16W	Chip 1608	AA
R8110	9DK001-50202	J	51	1/16W	Chip 1608	AA
R8112	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8114	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8115	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8116	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8117	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8118	9DK001-50171	J	330	1/16W	Chip 1608	AA
R8119	9DK001-50177	J	1k	1/16W	Chip 1608	AA
R8120	9DK001-50177	J	1k	1/16W	Chip 1608	AA
R8121	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8123	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8124	9DK001-50195	J	300	1/16W	Chip 1608	AB
R8125	9DK001-50197	J	2.7k	1/16W	Chip 1608	AB
R8126	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8127	9DK001-50161	J	47	1/16W	Chip 1608	AA
R8128	9DK001-50196	J	1.1k	1/16W	Chip 1608	AB
R8129	9DK001-50208	J	12k	1/16W	Chip 1608	AA
R8130	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8131	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8132	9DK001-50152	J	1.5k	1/16W	Chip 1608	AB
R8133	9DK001-50154	J	2.2k	1/16W	Chip 1608	AB
R8134	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8137	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8139	9DK001-50179	J	2.2k	1/16W	Chip 1608	AA
R8140	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8141	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8142	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8145	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8146	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8149	9DK001-50189	J	130k	1/16W	Chip 1608	AA
R8150	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8151	9DK001-50161	J	47	1/16W	Chip 1608	AA
R8152	9DK001-50161	J	47	1/16W	Chip 1608	AA
R8153	9DK001-50161	J	47	1/16W	Chip 1608	AA
R8154	9DK001-50172	J	430	1/16W	Chip 1608	AA
R8155	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8156	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8157	9DK001-50167	J	180	1/16W	Chip 1608	AA
R8158	9DK001-50163	J	68	1/16W	Chip 1608	AA
R8159	9DK001-50167	J	180	1/16W	Chip 1608	AA
R8160	9DK001-50163	J	68	1/16W	Chip 1608	AA
R8161	9DK001-50177	J	1k	1/16W	Chip 1608	AA
R8162	9DK001-50163	J	68	1/16W	Chip 1608	AA
R8164	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8165	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8166	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8167	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8168	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8169	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8170	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8171	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8172	9DK001-50201	J	15	1/16W	Chip 1608	AA
R8173	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8174	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8175	9DK001-51029	J	10	1/16W	Resistor Array	AD

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Ref. No.	Part No.	★			Description	Code
R8176	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8177	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8178	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8179	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8180	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8181	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8182	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8183	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8184	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8185	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8186	9DK001-50204	J	150	1/16W	Chip 1608	AA
R8187	9DK001-50203	J	62	1/16W	Chip 1608	AA
R8189	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8190	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8191	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8192	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8193	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8194	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8195	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8196	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8197	9DK001-50190	J	1M	1/16W	Chip 1608	AA
R8198	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8199	9DK001-50149	J	0	1/16W	Chip 1608	AB
R8200	9DK001-50149	J	0	1/16W	Chip 1608	AB
R8202	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8203	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8204	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8205	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8206	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8207	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8209	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8210	9DK001-50173	J	470	1/16W	Chip 1608	AA
R8211	9DK001-50205	J	1.8k	1/16W	Chip 1608	AA
R8212	9DK001-50212	J	100k	1/16W	Chip 1608	AA
R8214	9DK001-50212	J	100k	1/16W	Chip 1608	AA
R8215	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8216	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8217	9DK001-50149	J	0	1/16W	Chip 1608	AB
R8218	9DK001-50164	J	82	1/16W	Chip 1608	AA
R8219	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8220	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8221	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8222	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8223	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8224	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8225	9DK001-50149	J	0	1/16W	Chip 1608	AB
R8227	9DK001-50190	J	1M	1/16W	Chip 1608	AA
R8228	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8229	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8230	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8231	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8232	9DK001-50203	J	62	1/16W	Chip 1608	AA
R8233	9DK001-50204	J	150	1/16W	Chip 1608	AA
R8235	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8236	9DK001-50149	J	0	1/16W	Chip 1608	AB
R8237	9DK001-50149	J	0	1/16W	Chip 1608	AB
R8239	9DK001-50169	J	220	1/16W	Chip 1608	AA
R8240	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8243	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8244	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8245	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8246	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8247	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8248	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8249	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8250	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8251	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8253	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8254	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8255	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8257	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8264	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8265	9DK001-50149	J	0	1/16W	Chip 1608	AB
R8266	9DK001-50149	J	0	1/16W	Chip 1608	AB
R8267	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8268	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8269	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8270	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8271	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8272	9DK001-50169	J	220	1/16W	Chip 1608	AA
R8273	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8274	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8275	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8276	9DK001-50155	J	3k	1/16W	Chip 1608	AB
R8277	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8278	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8279	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8280	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8281	9DK001-50222	J	1.3k	1/16W	Chip 1608	AB
R8282	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8283	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8284	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8285	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8286	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8287	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8288	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8289	9DK001-50207	J	6.8k	1/16W	Chip 1608	AA
R8290	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8294	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8295	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8296	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8297	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8298	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8299	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8300	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8301	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8302	9DK001-50178	J	1.2k	1/16W	Chip 1608	AA
R8304	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8305	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8307	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8309	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8312	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8313	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8316	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8317	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8318	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8319	9DK001-50169	J	220	1/16W	Chip 1608	AA
R8320	9DK001-50149	J	0	1/16W	Chip 1608	AB
R8321	9DK001-50173	J	470	1/16W	Chip 1608	AA
R8322	9DK001-50205	J	1.8k	1/16W	Chip 1608	AA
R8323	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8324	9DK001-50177	J	1k	1/16W	Chip 1608	AA
R8325	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8326	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8327	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8328	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8329	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8330	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8332	9DK001-50179	J	2.2k	1/16W	Chip 1608	AA
R8336	9DK001-50149	J	0	1/16W	Chip 1608	AB
R8337	9DK001-50149	J	0	1/16W	Chip 1608	AB
R8338	9DK001-50149	J	0	1/16W	Chip 1608	AB
R8339	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8340	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8341	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8342	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8343	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8344	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8345	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8346	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8348	9DK001-50149	J	0	1/16W	Chip 1608	AB
R8349	9DK001-50149	J	0	1/16W	Chip 1608	AB
R8350	9DK001-50149	J	0	1/16W	Chip 1608	AB
R8352	9DK001-50159	J	22	1/16W	Chip 1608	AA
R8354	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8355	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8357	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8360	9DK001-50185	J	10k	1/16W	Chip 1608	AA

CPCi-0035CE02

PC I/F UNIT (Cotinued)

Ref. No.	Part No.	★	Description			Code
R8362	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8363	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8364	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8365	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8366	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8367	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8368	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8369	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8370	9DK001-50162	J	56	1/16W	Chip 1608	AA
R8371	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8372	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8373	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8374	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8375	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8376	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8377	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8378	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8379	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8380	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8381	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8382	9DK001-51029	J	10	1/16W	Resistor Array	AD
R8383	9DK001-50177	J	1k	1/16W	Chip 1608	AA
R8384	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8385	9DK001-50177	J	1k	1/16W	Chip 1608	AA
R8386	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8387	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8388	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8389	9DK001-50177	J	1k	1/16W	Chip 1608	AA
R8390	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8391	9DK001-50170	J	270	1/16W	Chip 1608	AA
R8392	9DK001-50170	J	270	1/16W	Chip 1608	AA
R8393	9DK001-50170	J	270	1/16W	Chip 1608	AA
R8394	9DK001-50177	J	1k	1/16W	Chip 1608	AA
R8395	9DK001-50177	J	1k	1/16W	Chip 1608	AA
R8396	9DK001-50177	J	1k	1/16W	Chip 1608	AA
R8397	9DK001-50163	J	68	1/16W	Chip 1608	AA
R8398	9DK001-50216	J	360	1/16W	Chip 1608	AA
R8399	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8400	9DK001-50163	J	68	1/16W	Chip 1608	AA
R8401	9DK001-50216	J	360	1/16W	Chip 1608	AA
R8402	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8403	9DK001-50202	J	51	1/16W	Chip 1608	AA
R8404	9DK001-50202	J	51	1/16W	Chip 1608	AA
R8405	9DK001-50176	J	820	1/16W	Chip 1608	AA
R8406	9DK001-50176	J	820	1/16W	Chip 1608	AA
R8407	9DK001-50161	J	47	1/16W	Chip 1608	AA
R8408	9DK001-50161	J	47	1/16W	Chip 1608	AA
R8409	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8410	9DK001-50176	J	820	1/16W	Chip 1608	AA
R8411	9DK001-50176	J	820	1/16W	Chip 1608	AA
R8412	9DK001-50161	J	47	1/16W	Chip 1608	AA
R8413	9DK001-50161	J	47	1/16W	Chip 1608	AA
R8414	9DK001-50165	J	100	1/16W	Chip 1608	AA
R8415	9DK001-50202	J	51	1/16W	Chip 1608	AA
R8416	9DK001-50202	J	51	1/16W	Chip 1608	AA
R8417	9DK001-50204	J	150	1/16W	Chip 1608	AA
R8418	9DK001-50204	J	150	1/16W	Chip 1608	AA
R8419	9DK001-50204	J	150	1/16W	Chip 1608	AA
R8420	9DK001-50204	J	150	1/16W	Chip 1608	AA
R8421	9DK001-50176	J	820	1/16W	Chip 1608	AA
R8422	9DK001-50176	J	820	1/16W	Chip 1608	AA
R8423	9DK001-50176	J	820	1/16W	Chip 1608	AA
R8424	9DK001-50176	J	820	1/16W	Chip 1608	AA
R8426	9DK001-50215	J	220k	1/16W	Chip 1608	AB
R8427	9DK001-50214	J	16k	1/16W	Chip 1608	AB
R8428	9DK001-50219	J	47k	1/16W	Chip 1608	AA
R8429	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8430	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8433	9DK001-50218	J	20k	1/16W	Chip 1608	AA
R8435	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8436	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8437	9DK001-50218	J	20k	1/16W	Chip 1608	AA
R8438	9DK001-50218	J	20k	1/16W	Chip 1608	AA
R8439	9DK001-50218	J	20k	1/16W	Chip 1608	AA
R8440	9DK001-50149	J	0	1/16W	Chip 1608	AB
R8441	9DK001-50149	J	0	1/16W	Chip 1608	AB
R8442	9DK001-50149	J	0	1/16W	Chip 1608	AB
R8446	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8447	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8448	9DK001-50150	J	10	1/16W	Chip 1608	AA
R8449	9DK001-50186	J	22k	1/16W	Chip 1608	AA
R8454	9DK001-50196	J	1.1k	1/16W	Chip 1608	AB
R8456	9DK001-50185	J	10k	1/16W	Chip 1608	AA
R8461	9DK001-50223	J	30k	1/16W	Chip 1608	AA
R8462	9DK001-50170	J	270	1/16W	Chip 1608	AA
R8463	9DK001-50170	J	270	1/16W	Chip 1608	AA
R8464	9DK001-50170	J	270	1/16W	Chip 1608	AA
R8465	9DK001-50110	J	0	1/10W	Chip 2125	AB
R8466	9DK001-50110	J	0	1/10W	Chip 2125	AB
R8467	9DK001-50110	J	0	1/10W	Chip 2125	AB
R8468	9DK001-50110	J	0	1/10W	Chip 2125	AB
R8469	9DK001-50110	J	0	1/10W	Chip 2125	AB
R8470	9DK001-50110	J	0	1/10W	Chip 2125	AB
R8471	9DK001-50110	J	0	1/10W	Chip 2125	AB
R8472	9DK001-50110	J	0	1/10W	Chip 2125	AB
R8473	9DK001-50110	J	0	1/10W	Chip 2125	AB
R8474	9DK001-50110	J	0	1/10W	Chip 2125	AB

SWITCH

S8001	9DK001-70011	J	Switch, SSSS712-ZC-B	AM

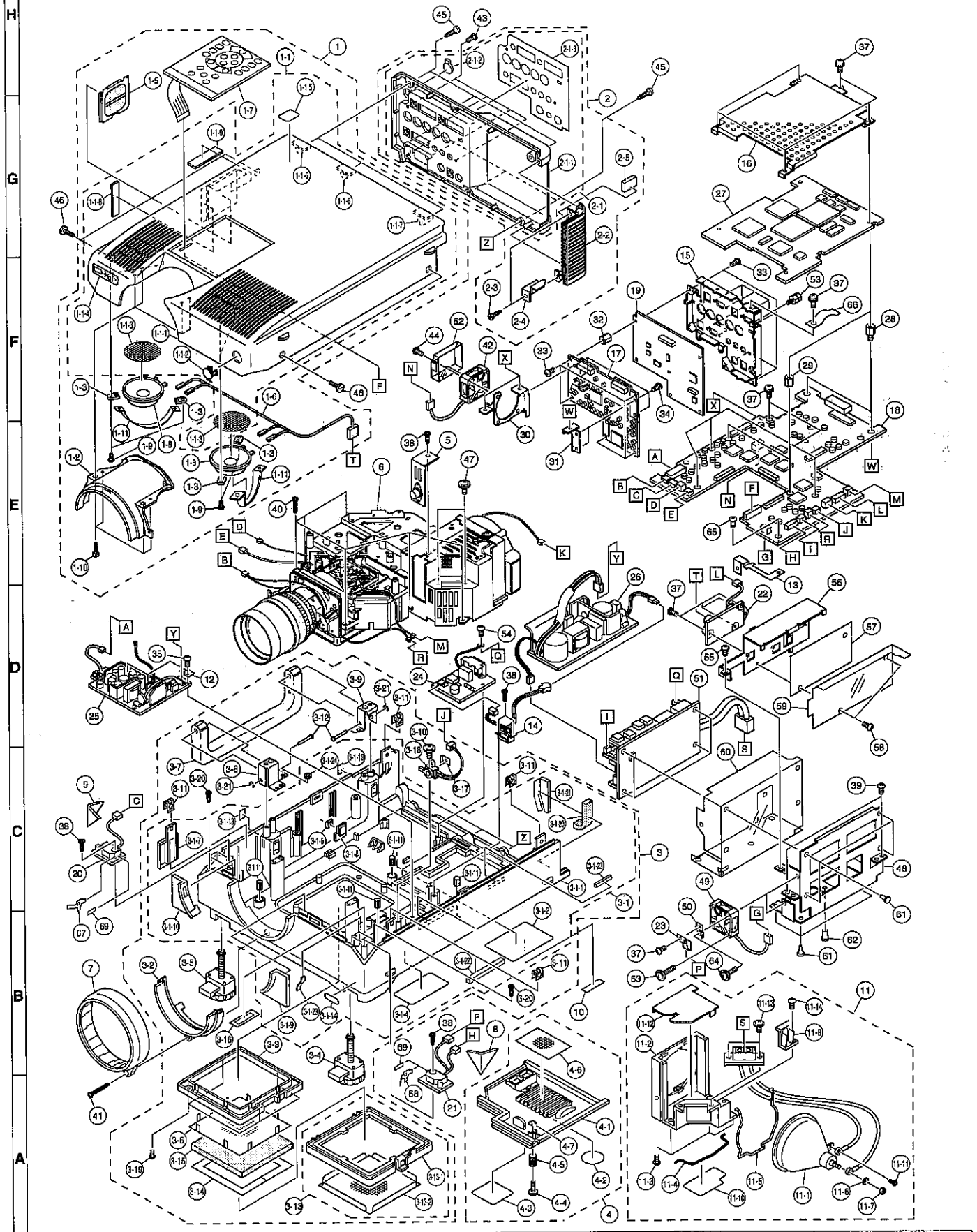
MISCELLANEOUS PARTS

FB8001	9DK001-81049	J	Inductor BLM21B221SD	AE
FB8002	9DK001-81049	J	Inductor BLM21B221SD	AE
FB8003	9DK001-81049	J	Inductor BLM21B221SD	AE
P8404	9DK001-60038	J	Connector, 60-pin (CON2)	AR
P8405	9DK001-60038	J	Connector, 60-pin (CON4)	AR
P8502	9DK001-60038	J	Connector, 60-pin (CON3)	AR
TP8001	9DK001-84014	J	Lug, Test Point	AE
TP8002	9DK001-84014	J	Lug, Test Point	AE
TP8003	9DK001-84014	J	Lug, Test Point	AE
TP8004	9DK001-84014	J	Lug, Test Point	AE
TP8006	9DK001-84014	J	Lug, Test Point	AE
TP8007	9DK001-84014	J	Lug, Test Point	AE
TP8082	9DK001-84014	J	Lug, Test Point	AE
TP8083	9DK001-84014	J	Lug, Test Point	AE
	PSLDM4578CEFW	J	Shield	AL
	PSPAZ0319CEZZ	J	Spacer	AT
	PSPAZ0318CEZZ	J	Spacer	AZ
	PSPAZ0317CEZZ	J	Spacer	AT

CABINET AND MECHANICAL PARTS

Ref. No.	Part No.	★	Description	Code
1	*Not Available*	–	Top Cabinet Ass'y	—
1-1	DBDYT1167CE01	J	Top Cabinet Ass'y	BR
1-1-1	*Not Available*	–	Top Cabinet	—
1-1-2	GCOVA1823CESA	J	R/C Cover, Front	AD
1-1-3	GNETC0163CEZZ	J	Speaker Net, x2	AE
1-1-4	HiNDP4637CESM	J	Lens Caution Label	AD
1-1-5	HiNDP4887CESA	J	IQ Label	AE
1-1-6	LHLDZ2127CEKZ	J	Holder (S), x2	AD
1-1-7	LHLDZ2128CEKZ	J	Holder (L)	AD
1-1-8	PMLT-0345CEZZ	J	Spacer (for PC Fan)	AB
1-1-9	PMLT-0346CEZZ	J	Spacer (for PC Fan)	AB
1-2	GCOVA1819CEKA	J	Lens Cover (Top)	AH
1-3	LANGS0123CEFW	J	Speaker Angle, x4	AD
1-5	PFiLD0084CEZZ	J	Side Filter	AK
1-6	QCNW-5308CEZZ	J	Speaker Lead Wire	AG
1-7	QSW-Z0519CEZZ	J	Operation Key Unit	BB
1-8	VSP0050P-M88A	J	Speaker, x2	AN
1-9	XEPSD30P10000	J	Screw, x4	AA
1-10	XEPSD30P12000	J	Screw, x4	AA
1-11	LHLDZ9155CEZZ	J	Speaker Holder, x2	AD
2	*Not Available*	–	Rear Cabinet Ass'y	—
2-1	DBDYR1088CE02	J	Rear Cabinet Ass'y	BF
2-1-1	*Not Available*	–	Rear Cabinet	—
2-1-2	GCOVA1824CESA	J	R/C Cover, Rear	AD
2-1-3	HiNDP5426CESA	J	Terminal Indication	AH
2-2	GCOVA1825CEKA	J	Exhaust Cover	AM
2-3	XEBSD30P10000	J	Screw, x2	AA
2-4	PCOVM9031CEKZ	J	Exhaust Duct Cover	AE
2-5	PSPAZ0321CEZZ	J	Exhaust Spacer	AB
3	*Not Available*	–	Bottom Cabinet Ass'y	—
3-1	DBDYU1108CE03	J	Bottom Cabinet Ass'y (for Europe)	BS
3-1	DBDYU1108CE04	J	Bottom Cabinet Ass'y (for U.K)	BS
3-1	DBDYU1108CE05	J	Bottom Cabinet Ass'y (for Australia and N.Z)	BS
3-1	DBDYU1108CE06	J	Bottom Cabinet Ass'y (for Hong Kong)	BS
3-1-1	*Not Available*	–	Bottom Cabinet	—
3-1-2	HiNDP5421CESA	J	Model Label (Europe)	AE
3-1-2	HiNDP5422CESA	J	Model Label (U.K)	AE
3-1-2	HiNDP5423CESA	J	Model Label (Australia)	AE
3-1-2	HiNDP5424CESA	J	Model Label (Hong Kong)	AE
3-1-4	HiNDP5425CESA	J	Caution Label	AE
3-1-6	LANGF2134CEFW	J	Angle, for K. Lock	AE
3-1-7	LHLDZ2074CEKZ	J	Holder	AD
3-1-8	LHLDZ2077CEKZ	J	Cover, for K. Lock	AD
3-1-9	LHLDZ2126CEKZ	J	Lens Holder (A)	AE
3-1-10	LHLDZ2129CEKZ	J	Lens Holder (B)	AE
3-1-11	LX-NZ3144CEFW	J	Nut, for Lamp Door, x4	AC
3-1-13	PSPAT0038CEZZ	J	Tefron Tape, for Handle, x2	AC
3-1-14	TLABZ0421TAZZ	J	Tran-P Label	AC
3-1-20	PSPAZ0320CEZZ	J	Spacer	AC
3-1-21	PSPAZ0322CEZZ	J	Heat Cover	AE
3-1-22	PSPAZ0323CEZZ	J	Spacer, Side (F)	AD
3-1-23	PSPAZ0324CEZZ	J	Spacer, Side (R) x2	AC
3-1-24	LX-WZ1036CEZZ	J	Washer	AB
3-2	GCOVA1821CEKA	J	Lens Cover (Bottom)	AG
3-3	GCOVH1321CEKA	J	Inner Filter Frame	AG
3-4	GLEGP1020CEKA	J	Adjuster-Right	AV
3-5	GLEGP3019CEKA	J	Adjuster-Left	AV
3-6	HPNC-0424CESA	J	Intake Punching	AH
3-7	JHNDA1037CESC	J	Handle	AR
3-8	LANGF9541CEFW	J	Angle-A, for Handle	AF
3-9	LANGF9542CEFW	J	Angle-B, for Handle	AE
3-10	LX-HZ3106CEFD	J	Screw	AB
3-11	LX-NZ3155CEFF	J	Speed Nut, x4	AF
3-12	NSFTH0016CE00	J	Handle Shaft, x2	AD
3-13	CCOVA1664CE04	J	Intake Cover Ass'y	AQ
3-13-1	*Not Available*	–	Intake Cover	—
3-13-2	HPNC-0410CESD	J	Intake Cover Punching	AK
3-14	PCOVM9029CEKZ	J	Dust Cover	AD
3-15	PFiLD0079CEZZ	J	Intake Air Filter	AD
3-16	PFiLD0089CEZZ	J	Bottom Filter	AE
3-17	PZETK0072CEKZ	J	Leaf Switch Barrier	AB
3-18	QCNW-5351CEZZ	J	Leaf Switch	AH
3-19	XEBSD30P10000	J	Screw, x4	AA
3-20	XEBSD30P14000	J	Screw, x8	AA
3-21	XRESJ30-06000	J	E-Ring, x2	AA
4	CCOVA1818CE02	J	Lamp Cage Cover Ass'y	AX
4-1	*Not Available*	–	Lamp Cage Cover	—
4-2	GCOVH1322CESA	J	Cap	AF
4-3	GCOVA1796CESB	J	Lamp Door Cover	AD
4-4	LX-BZ1009CESA	J	Screw	AD
4-5	MSPRC0202CEFW	J	Spring	AB
4-6	PCOVM1018CEKZ	J	Dust Cover	AF
4-7	XRESJ30-06000	J	E-Ring	AA
5	CBiM-0001DE29	J	Bimetal Ass'y	AY
6	*Refer to Optics Mechanism Parts*			
7	GCOVA1820CEKA	J	Lens Cover (Middle)	AH
8	GCOVA1822CESA	J	IR-DA Cover (R)	AF
9	GCOVA1826CESA	J	IR-DA Cover (L)	AF
10	*Not Available*	–	Serial No.Label	—
⚠ 11	BQC-XGNV6XE/1	J	Metal-Halide Lamp Unit	CQ
⚠ 11-1	CLMPF0056CE01	J	Lamp/Mirror Ass'y	CL
11-2	PCASZ1031CEKZ	J	Lamp Case	AU
11-3	XBTSC40P12000	J	Screw, x3	AB
11-4	LHLDZ3054CEFW	J	Handle	AE
11-5	MSPRK0059CEFW	J	Spring	AH
11-6	LX-WZ3102CEFN	J	Washer	AA
11-7	LX-NZ3108CEFN	J	Nut	AA
11-8	PCOVZ1077CEKZ	J	Cover	AG
11-10	TLABZ0626CEZZ	J	Label	AC
11-11	LX-BZ3270CEFN	J	Screw	AA
11-12	PSLDP3061CEFW	J	Shielding Plate	AE
11-13	LX-HZ3106CEFD	J	Screw, x2	AB
11-14	XEPSD30P10000	J	Screw	AA
12	PZETK0071CEKZ	J	Shield	AC
13	QEARP0099CEFW	J	Angle	AF
14	QCNW-5352CEZZ	J	AC Power Switch	AV
15	PSLDM4579CEFW	J	Sheild	AK
16	PSLDM4578CEFW	J	Sheild	AL
17	*Not Available*	–	Signal Unit	—
18	*Not Available*	–	Output Unit	—
19	*Not Available*	–	Terminal Unit	—
20	*Not Available*	–	IR-DA (1) Unit	—
21	*Not Available*	–	IR-DA (2) Unit	—
22	*Not Available*	–	Sound Out Unit	—
23	*Not Available*	–	R/C Receiver Unit	—
24	*Not Available*	–	Inlet Unit	—
25	*Not Available*	–	Power Unit	—
26	*Not Available*	–	Filter Unit	—
27	*Not Available*	–	PC I/F Unit	—
28	NSFTZ0106CEFW	J	Shaft, x2	AC
29	NSFTZ0145CEFW	J	Shaft, x2	AD
30	LANGT3276CEFW	J	Angle	AG
31	LANGT3277CEFW	J	Angle	AE
32	NSFTZ0140CEFW	J	Shaft, x5	AC
33	XBPSD26P04000	J	Screw, x10	AA
34	XBPSD30P06R00	J	Screw, x4	AB
37	XBPSD30P06R00	J	Screw, x14	AB
38	XEBSD30P10000	J	Screw, x8	AA
39	XTASD30P16000	J	Screw, x2	AA
40	XTASD40P20000	J	Screw, x6	AA
41	XTBSF30P30000	J	Screw	AB
42	NFANR0090CE00	J	PC Fan	BA
43	LX-BZ3279CESG	J	Screw, x4	AC
44	XBBSD30P14000	J	Screw, x2	AA

CABINET AND MECHANICAL PARTS / GEÄUSE UND MECHANISCHE BAUTEILE 壳罩与及机械零件分解图



Ref. No.	Part No.	★	Description	Code

CABINET AND MECHANICAL PARTS (Cotinued)

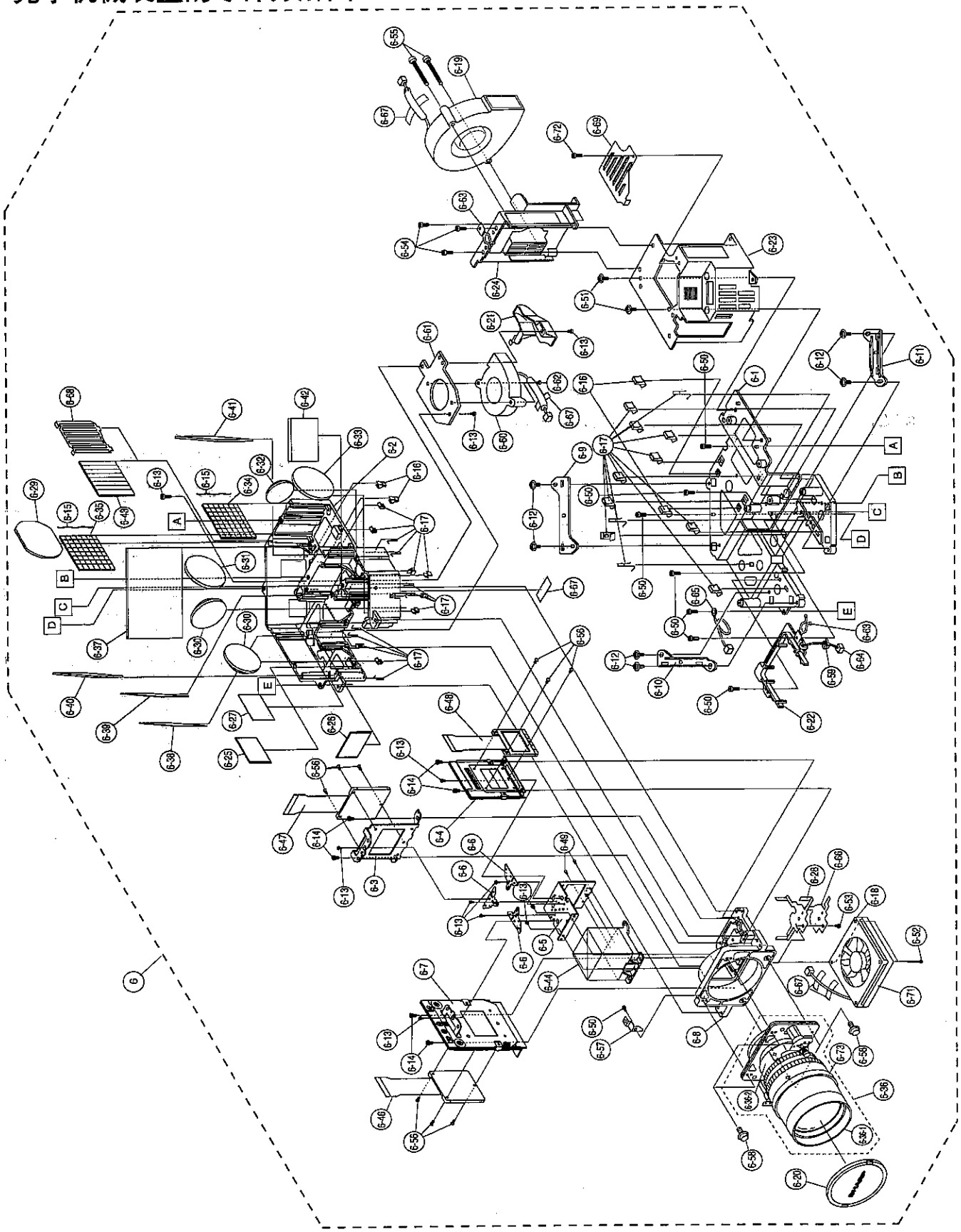
45	LX-EZ3000CESB	J	Screw, x6	AC
46	LX-HZ3084CESD	J	Screw, x4	AC
47	LX-HZ3106CEFD	J	Screw, x2	AB
48	9FJ0N00001950	J	Case Base	AN
49	9FJ0M41001120	J	Fan	AX
50	9FJ0O00101930	J	Angle	AH
51	RDENC0286CEZZ	J	Ballast Unit (The Ballast Unit is supplied only as an assembly.)	CE
52	PSLDM4600CEFW	J	PC Fan Duct	AH
53	NSFTZ0134CEFW	J	Shaft, for D-Sub, x6	AD
54	XBPSD40P08JS0	J	Screw	AA
55	XBPSD30P04000	J	Screw	AA
56	9FJ0N00001960	J	Shield Case	AN
57	9FJ0L13901320	J	Shield Board	AG
58	9FJ0S89000020	J	Screw	AB
59	9FJ0A11901520	J	Insulation Barrier	AR
60	9FJ0A11901510	J	Insulation Barrier	AR
61	9FJ0G20002690	J	Circuit Board Spacer	AD
62	9FJ0G20002820	J	Circuit Board Spacer	AD
63	9FJ0S07004300	J	Screw	AC
64	9FJ0S08004300	J	Screw	AC
65	LX-HZ3103CEFD	J	Screw	AB
66	QEARB0038CEFW	J	Earth Spring	AG
67	QEARP0089CEFN	J	Earth Plate (L)	AE
68	QEARP0088CEFN	J	Earth Plate (R)	AE
69	PSPAT0054CEZZ	J	Teflon Spacer, x2	AB

Ref. No.	Part No.	★	Description	Code

OPTICS MECHANISM PARTS

6	CCHSK0062CE06	J	Optics Macha. Ass'y	GR
6-1	LCHSK0067CEKZ	J	Optics Mecha. Cover	BB
6-2	LCHSK0064CEKZ	J	Optics Mecha. Base	BB
6-3	LANGG1174CEFW	J	G Adjusting Plate	AP
6-4	CANGG1161CE01	J	B Adjusting Plate	BB
6-5	LANGG1173CEFW	J	Guide Plate-Top	AM
6-6	LANGG1126CEFW	J	Slide Plate, x3	AG
6-7	CANGG1163CE01	J	R Adjusting Plate	BB
6-8	LHLDZ3064CEZZ	J	Holder, for Prism	BA
6-9	LHLDZ9134CEKZ	J	M1 Adjust Lever	AG
6-10	LHLDZ9135CEKZ	J	M5 Adjust Lever	AF
6-11	LHLDZ9136CEKZ	J	M6 Adjust Lever	AF
6-12	LX-BZ3038GEFD	J	Screw M3-8, x6	AA
6-13	LX-BZ3370CEFD	J	Screw M2.66-6wsw, x11	AB
6-14	LX-BZ3388CEFD	J	Screw M2.6-5, x6	AE
6-15	MSPRP1199CEFW	J	Flyeye Fitting Spring, x2	AD
6-16	MSPRP1197CEFW	J	PBS Fitting Spring, x4	AE
6-17	MSPRP1198CEFW	J	Mirror Fitting Spring, x28	AD
6-18	NFANR0079CE00	J	Cooling Fan (Intake), x1	AY
6-19	NFANS0007CE00	J	Cooling Fan (Exhaust), x1	BB
6-20	PCAPH1056CESA	J	Lens Cap	AW
6-21	PDUC-0089CEKZ	J	PBS Duct Cover	AE
6-22	LHLDZ2107CEKZ	J	LCD Cover	AF
6-23	PDUC-0087CEKZ	J	Duct Holder	AT
6-24	PDUC-0088CEKZ	J	Angle for Fan	AS
6-25	PFiLW0222CEZZ	J	Polarizer Input Filter-R	BC
6-26	PFiLW0223CEZZ	J	Polarizer Input Filter-G	BC
6-27	PFiLW0224CEZZ	J	Polarizer Input Filter-B	BC
6-28	PGiDH0013CEFW	J	Flap	AH
6-29	PLNS-0126CEZZ	J	L1	BM
6-30	PLNS-0127CEZZ	J	L2, x2	AZ
6-31	PLNS-0128CEZZ	J	G01	BA
6-32	PLNS-0129CEZZ	J	G02	AW
6-33	PLNS-0130CEZZ	J	G03	BA
6-34	PLNS-0131CEZZ	J	Flyeye Lens (Incoming-Light)	BR
6-35	PLNS-0132CEZZ	J	Flyeye Lens (Outgoing-Light)	BP
6-36	CLNS-0169CE02	J	Projection Lens	CN
6-36-1	PLNS-0169CESA	J	Front Lens	BY
6-36-2	PLNS-0170CEZZ	J	Rear Lens	CP
6-37	PMiR-0183CEZZ	J	Mirror-1	AP
6-38	PMiR-0184CEZZ	J	Mirror-2	BC
6-39	PMiR-0237CEZZ	J	Mirror-3	BC
6-40	PMiR-0186CEZZ	J	Mirror-4	AN
6-41	PMiR-0187CEZZ	J	Mirror-5	AN
6-42	PMiR-0188CEZZ	J	Mirror-6	AV
6-43	PMiR-0231CEZZ	J	PBS	CC
6-44	PMiR-0230CEZZ	J	Cross Prism (with Base)	CL
6-46	RLCDP0082CEZZ	J	LCD Module Unit, Red	DK
6-47	RLCDP0083CEZZ	J	LCD Module Unit, Green	DK
6-48	RLCDP0084CEZZ	J	LCD Module Unit, Blue	DK
6-49	XAPSF20P05000	J	Screw M2-5, x2	AA
6-50	XBBSD30P08000	J	Screw M3-8, x10	AA
6-51	XBPSD40P10JS0	J	Screw M4-10, x2	AA
6-52	XBPSD40P25000	J	Screw M4-25, x2	AA
6-53	XBPSD20P06JS0	J	Screw M2-6, x1	AA
6-54	XEBSD40P12000	J	Screw M4-25, x3	AA
6-55	XBPSD40P40000	J	Screw M4-35, x2	AA
6-56	XSSSF20P06000	J	Screw M2-5, x9	AA
6-57	LANGT3278CEFW	J	PWB Plate	AE
6-58	LX-BZ3404CEFD	J	Screw M4-12, x4	AB
6-59	LHLDW1033CEKZ	J	Wire Holder	AA
6-60	NFANS0006CE00	J	Fan	BB
6-61	LANGK0682CEFW	J	Fan Plate	AG
6-62	XBPSD40P20000	J	Screw, x2	AC
6-63	LHLDW1046CEZZ	J	Wire Holder, x2	AA
6-64	RH-HZ0048CEZZ	J	Thermistor (Q)	AN
6-65	RH-HZ0055CEZZ	J	Thermistor (F)	AM
6-66	PGiDH0020CEFW	J	Flap	AF
6-67	PSPAT0003CEZZ	J	Teflon Tape, x5	AA
6-68	PSLDP3059CEFW	J	PBS Aperture	AE
6-69	PSLDP3060CEFW	J	Shielding Plate	AF
6-71	PSPAG0327CE00	J	Spacer	AD
6-72	XEPSD30P08000	J	Screw M3-8, x1	AA
6-73	PMLT-0359CEZZ	J	Lens Spacer	AS

OPTICS MECHANISM PARTS / TEILE FÜR OPTIKMECHANISMUS
光学机械装置的零件分解图



SUPPLIED ACCESSORIES

ACCESSORIES

Ref. No.	Part No.	★	Description	Code
	PFiLD0080CEZZ	J	Extra Air Filter	AE
⚠	QACCV4002CEZZ	J	AC Cord (Europe)	AZ
⚠	QACCB5024CEZZ	J	AC Cord (U.K and H.K)	BA
⚠	QACCL3022CEZZ	J	AC Cord (Australia and N.Z)	AZ
	QCNW-5304CEZZ	J	Computer Cable	AV
	QCNW-5112CEZZ	J	Mouse Control Serial Cable	AP
	QCNW-5113CEZZ	J	Mouse Control Cable for IBM PS/2	AN
	QCNW-5114CEZZ	J	Mouse Control Cable for Mac	AN
	QCNW-4870CEZZ	J	Computer Audio Cable	AQ
	QCNW-5288CEZZ	J	DIN-D-Sub RS-232C Cable	AM
	QPLGJ0107GEZZ	J	BNC-RCA Adaptor	AR
	RUNTK0661CEZZ	J	Remote Mouse Receiver	BL
	RRMCG1535CESA	J	Wireless R/C Unit	BT
	PCAPH1056CESA	J	Lens Cap	AW
	UDSKA0006CE01	J	CD-ROM	AQ
	TiNS-6799CEZZ	J	Operation Manual	AY
	TiNS-6800CEZZ	J	Quick Reference	AK
	TiNS-6801CEZZ	J	CD-ROM Manual	AS
	TiNS-6802CEZZ	J	CD-ROM Quick Reference	AH

ACCESSORIES (NOT REPLACEMENT ITEM)

Ref. No.	Part No.	★	Description	Code
	TCAUZ3036CEZZ	–	Soft Ware Caution (Europe)	—
	TCAUZ3032CEZZ	–	Soft Ware Caution (U.K, Australia, N.Z, and H.K)	—
	TCAUZ3049CEZZ	–	Soft Waer Caution (U.K, Australia, N.Z, and H.K)	—
	TCAUZ3045CEZZ	–	IrDA Driver Installation Instruction Sheet	—
	TGANE0050TAZZ	–	Guarantee Card (Australia.)	—
	—	–	Two AA Size Batteries	—

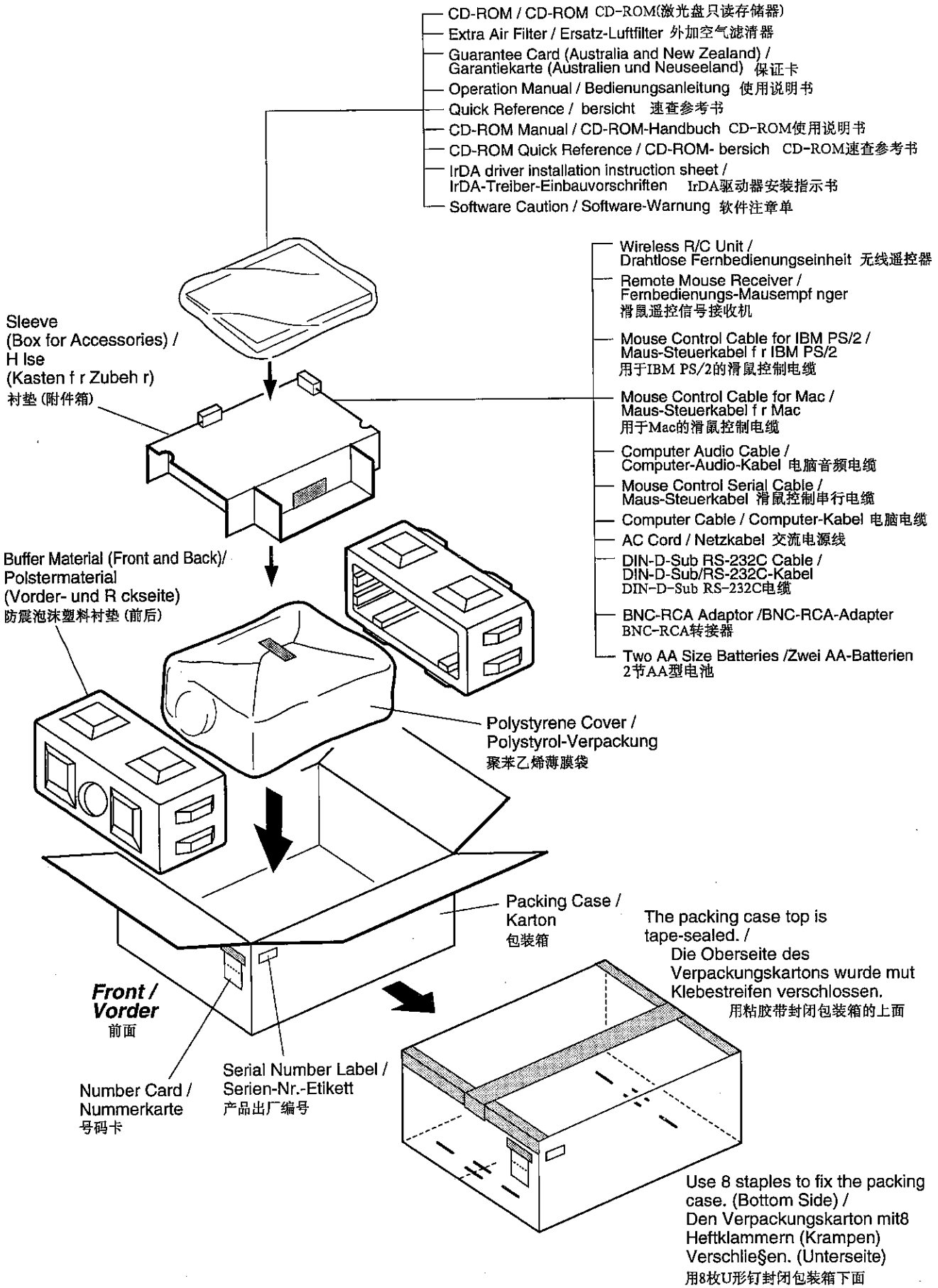
PACKING PARTS
(NOT REPLACEMENT ITEM)

Ref. No.	Part No.	★	Description	Code
	SPAKC5364CEZZ	–	Packing Case	—
	SPAKP0805CEZZ	–	Polystyrene Cover	—
	SPAKX2824CEZZ	–	Buffer Material	—
	SPAKF0415CEZZ	–	Sleeve (Box for Accessories)	—
	TLABK0001TAZZ	–	Number Card	—
	TLABN0157CEZZ	–	Serial Number Label	—

SERVICE JIGS
(Use for servicing)

Ref. No.	Part No.	★	Description	Code
	9DASPN-XGNV1U	J	Spanna, 3.2mm (Off-set Cam Adjustment)	BL
	9EQDRiVER-NV1A	J	Off-set Driver (Focus Adjustment)	CA
	9EQDRiVER-NV1B	J	Screwdiver, (–) (Focus Adjustment)	BL
	9EQLNC-XGNV1U	J	Hexagon Wrench, 2mm (Convergence Adjustment)	BA
	QCNW-4984CEZZ	J	Extension Cable 20-pin Signal (TN)-PC Terminal (TN)	BT
	QCNW-4985CEZZ	J	Extension Cable 28-pin Signal (CA)-Output (CA), Signal (CB)-Output (CB)	BG
	QCNW-4767CEZZ	J	Extension Cable 30-pin Signal (VS)-Video Board (VS)	BT
	QCNW-4851CEZZ	J	Extension Cable 60-pin Output (TC2)-PC I/F (TC2), Output (TC3)-PC I/F (TC3)	BX
	QCNW-4852CEZZ	J	Extension Cable 32-pin LCD Panel-Output	BH

PACKING OF THE SET / VERPACKEN DES GERÄTS
包装方法


CD-ROM / CD-ROM CD-ROM(激光盘只读存储器)
Extra Air Filter / Ersatz-Luftfilter 外加空气滤清器
Guarantee Card (Australia and New Zealand) / Garantiekarte (Australien und Neuseeland) 保证卡
Operation Manual / Bedienungsanleitung 使用说明书
Quick Reference / bersicht 速查参考书
CD-ROM Manual / CD-ROM-Handbuch CD-ROM使用说明书
CD-ROM Quick Reference / CD-ROM- bersich CD-ROM速查参考书
IrDA driver installation instruction sheet / IrDA-Treiber-Einbauvorschriften IrDA驱动器安装指示书
Software Caution / Software-Warnung 软件注章单
Wireless R/C Unit / Drahtlose Fernbedienungseinheit 无线遥控器
Remote Mouse Receiver / Fernbedienungs-Mausempf nger 滑鼠遥控信号接收机
Mouse Control Cable for IBM PS/2 / Maus-Steuerkabel f r IBM PS/2 用于IBM PS/2的滑鼠控制电缆
Mouse Control Cable for Mac / Maus-Steuerkabel f r Mac 用于Mac的滑鼠控制电缆
Computer Audio Cable / Computer-Audio-Kabel 电脑音频电缆
Mouse Control Serial Cable / Maus-Steuerkabel 滑鼠控制串行电缆
Computer Cable / Computer-Kabel 电脑电缆
AC Cord / Netzkabel 交流电源线
DIN-D-Sub RS-232C Cable / DIN-D-Sub/RS-232C-Kabel DIN-D-Sub RS-232C电缆
BNC-RCA Adaptor /BNC-RCA-Adapter BNC-RCA转接器
Two AA Size Batteries /Zwei AA-Batterien 2节AA型电池
Sleeve (Box for Accessories) / H lse (Kasten f r Zubeh r) 衬垫 (附件箱)
Buffer Material (Front and Back)/ Polstermaterial (Vorder- und R ckseite) 防震泡沫塑料衬垫 (前后)
Polystyrene Cover / Polystyrol-Verpackung 聚苯乙烯薄膜袋
Packing Case / Karton 包装箱
The packing case top is tape-sealed. / Die Oberseite des Verpackungskartons wurde mut Klebestreifen verschlossen. 用粘胶带封闭包装箱的上面
Front / Vorder 前面
Number Card / Nummerkarte 号码卡
Serial Number Label / Serien-Nr.-Etikett 产品出厂编号
Use 8 staples to fix the packing case. (Bottom Side) / Den Verpackungskarton mit8 Heftklammern (Krampen) Verschlie§en. (Unterseite) 用8枚U形钉封闭包装箱下面

SHARP

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